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SPECIAL PUBLICATION

HANDBOOK OF OCEANOGRAPHIC TABLES

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Compiled By

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FOREWORD

The "Handbook of Oceanographic Tables" has been published by the U.S. Naval Oceanographic Office in response to an increased demand for oceanographic information. The figures and tables included in this publication have been designed for and are intended to furnish oceanographers and oceanographic engineers with a ready reference of the more useful oceanographic tables.

The U.S. Naval Oceanographic Office intends to keep this publication as up-to-date as possible. Revisions and requirements for newer tables will be introduced as the need arises.

Suggestions for new tables and notification of errors in the current edition are welcome.

O. D. WATERS, Jr.
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PREFACE

These tables are intended to supply the oceanographer and oceanographic engineer with a reference covering many aspects of the field of oceanography. Although this publication replaces H.O. Publication No. 614, *Processing Oceanographic Data*, it is only partly useful for the processing of oceanographic station data. For this purpose, the reader is referred to H.O. Publication No. 607, *Instruction Manual for Oceanographic Observations.*

The tables are divided into four sections:

General Mensuration Information Related to the Oceans
Data on Oceans not Related to Geography
Data on Oceans Related to Geography
Tables for Computation and Conversions

Every effort has been made to include the more commonly used tables; however, a publication such as this one needs comments, suggestions, and criticisms if in its future editions it is to be of maximum usefulness. We ask the cooperation of all users.

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Contents

SECTION I

General Mensuration Information Related to the Oceans

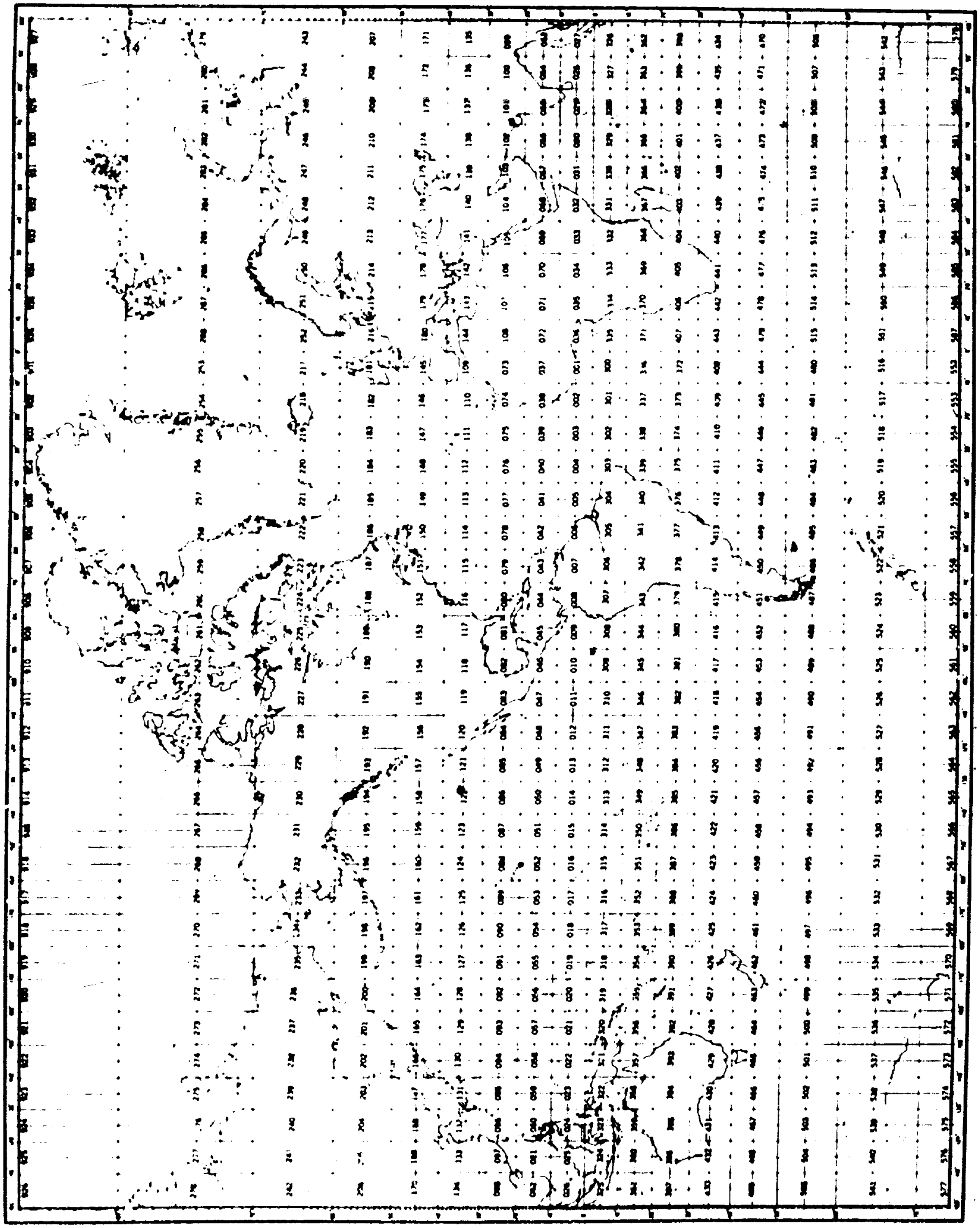

FIGURE 1. Marsden Square Chart (1 degree breakdown included)

	10°				West Long							0°				East Long						10°	
10°	00	09	08	07	06	05	04	03	02	01	00	00	01	02	03	04	05	06	07	08	09	00	10°
	90	99	98	97	96	95	94	93	92	91	90	90	91	92	93	94	95	96	97	98	99	90	
	80	89	88	87	86	85	84	83	82	81	80	80	81	82	83	84	85	86	87	88	89	80	
	70	79	78	77	76	75	74	73	72	71	70	70	71	72	73	74	75	76	77	78	79	70	
	60	69	68	67	66	65	64	63	62	61	60	60	61	62	63	64	65	66	67	68	69	60	
North	50	59	58	57	56	55	54	53	52	51	50	50	51	52	53	54	55	56	57	58	59	50	North
Lat.	40	49	48	47	46	45	44	43	42	41	40	40	41	42	43	44	45	46	47	48	49	40	Lat.
	30	39	38	37	36	35	34	33	32	31	30	30	31	32	33	34	35	36	37	38	39	30	
	20	29	28	27	26	25	24	23	22	21	20	20	21	22	23	24	25	26	27	28	29	20	
	10	19	18	17	16	15	14	13	12	11	10	10	11	12	13	14	15	16	17	18	19	10	
0°	00	09	08	07	06	05	04	03	02	01	00	00	01	02	03	04	05	06	07	08	09	00	0°
	00	09	08	07	06	05	04	03	02	01	00	00	01	02	03	04	05	06	07	08	09	00	
	10	19	18	17	16	15	14	13	12	11	10	10	11	12	13	14	15	16	17	18	19	10	
	20	29	28	27	26	25	24	23	22	21	20	20	21	22	23	24	25	26	27	28	29	20	
	30	39	38	37	36	35	34	33	32	31	30	30	31	32	33	34	35	36	37	38	39	30	
South	40	49	48	47	46	45	44	43	42	41	40	40	41	42	43	44	45	46	47	48	49	40	South
Lat.	50	59	58	57	56	55	54	53	52	51	50	50	51	52	53	54	55	56	57	58	59	50	Lat.
	60	69	68	67	66	65	64	63	62	61	60	60	61	62	63	64	65	66	67	68	69	60	
	70	79	78	77	76	75	74	73	72	71	70	70	71	72	73	74	75	76	77	78	79	70	
	80	89	88	87	86	85	84	83	82	81	80	80	81	82	83	84	85	86	87	88	89	80	
10°	90	99	98	97	96	95	94	93	92	91	90	90	91	92	93	94	95	96	97	98	99	90	10°
	00	09	08	07	06	05	04	03	02	01	00	00	01	02	03	04	05	06	07	08	09	00	
	10°				West Long							0°				East Long						10°	

FIGURE 1.—Marsden Square Numbers (1 degree)—Continued

TABLE 1.—Areas of Quadrilaterals of Earth's Surface of 10° Extent in Latitude and Longitude*

Middle latitude of quadrilateral.	Area in square miles.
0°	474653
5	472895
10	467631
15	458891
20	446728
25	431213
30	412442
35	390533
40	365627
45	337890
50	307514
55	274714
60	239730
65	202823
70	164279
75	124400
80	83504
85	41924

(Smithsonian Institution, 1920)

*Statute miles.

TABLE 2.—Areas of Quadrilaterals of Earth's Surface of 1° Extent in Latitude and Longitude*

Middle latitude of quadrilateral	Area in square miles	Middle latitude of quadrilateral	Area in square miles	Middle latitude of quadrilateral	Area in square miles
0° 00'	4752.33	18° 00'	4525.59	36° 00'	3862.76
0 30	4752.16	18 30	4512.90	36 30	3838.56
1 00	4751.63	19 00	4499.87	37 00	3814.06
1 30	4750.75	19 30	4486.51	37 30	3789.26
2 00	4749.52	20 00	4472.81	38 00	3764.18
2 30	4747.93	20 30	4458.78	38 30	3738.80
3 00	4746.00	21 00	4444.41	39 00	3713.14
3 30	4743.71	21 30	4429.71	39 30	3687.18
4 00	4741.07	22 00	4414.67	40 00	3660.95
4 30	4738.08	22 30	4399.30	40 30	3634.42
5 00	4734.74	23 00	4383.60	41 00	3607.62
5 30	4731.04	23 30	4367.57	41 30	3580.54
6 00	4727.00	24 00	4351.21	42 00	3553.17
6 30	4722.61	24 30	4334.52	42 30	3525.54
7 00	4717.86	25 00	4317.51	43 00	3497.62
7 30	4712.76	25 30	4300.17	43 30	3469.44
8 00	4707.32	26 00	4282.50	44 00	3440.98
8 30	4701.52	26 30	4264.51	44 30	3412.26
9 00	4695.38	27 00	4246.20	45 00	3383.27
9 30	4688.89	27 30	4227.56	45 30	3354.01
10 00	4682.05	28 00	4208.61	46 00	3324.49
10 30	4674.86	28 30	4189.33	46 30	3294.71
11 00	4667.32	29 00	4169.74	47 00	3264.68
11 30	4659.43	29 30	4149.83	47 30	3234.39
12 00	4651.20	[illegible] 00	4129.60	48 00	3203.84
12 30	4642.63	[illegible] 30	4109.06	48 30	3173.04
13 00	4633.71	[illegible] 00	4088.21	49 00	3141.99
13 30	4624.44	[illegible] 30	4067.05	49 30	3110.69
14 00	4614.82	32 00	4045.57	50 00	3079.15
14 30	4604.87	32 30	4023.79	50 30	3047.37
15 00	4594.57	33 00	4001.69	51 00	3015.34
15 30	4583.92	33 30	3979.30	51 30	2983.08
16 00	4572.94	34 00	3956.59	52 00	2950.58
16 30	4561.61	34 30	3933.59	52 30	2917.85
17 00	4549.94	35 00	3910.28	53 00	2884.88
17 30	4537.93	35 30	3886.67	53 30	2851.68

*Statute miles. (Smithsonian Institution, 1929)

Table 2.—Areas of Quadrilaterals of Earth's Surface of 1° Extent in Latitude and Longitude—Continued

Middle latitude of quadrilateral	Area in square miles	Middle latitude of quadrilateral	Area in square miles	Middle latitude of quadrilateral	Area in square miles
54° 00	2818.27	66° 00	1954.97	78° 00	1000.99
54 30	2784.62	66 30	1916.75	78 30	959.90
55 00	2750.76	67 00	1878.37	79 00	918.73
55 30	2716.67	67 30	1839.84	79 30	877.49
56 00	2682.37	68 00	1801.16	80 00	836.18
56 30	2647.85	68 30	1762.33	80 30	794.79
57 00	2613.13	69 00	1723.36	81 00	753.34
57 30	2578.19	69 30	1684.24	81 30	711.83
58 00	2543.05	70 00	1645.00	82 00	670.27
58 30	2507.70	70 30	1605.62	82 30	628.64
59 00	2472.16	71 00	1566.10	83 00	586.97
59 30	2436.42	71 30	1526.46	83 30	545.24
60 00	2400.48	72 00	1486.70	84 00	503.47
60 30	2364.34	72 30	1446.81	84 30	461.66
61 00	2338.02	73 00	1406.81	85 00	419.81
61 30	2291.51	73 30	1366.69	85 30	377.93
62 00	2254.82	74 00	1326.46	86 00	336.02
62 30	2217.94	74 30	1286.12	86 30	294.08
63 00	2180.89	75 00	1245.68	87 00	252.11
63 30	2143.66	75 30	1205.13	87 30	210.12
64 00	2106.26	76 00	1164.49	88 00	168.00
64 30	2068.68	76 30	1123.75	88 30	126.10
65 00	2030.94	77 00	1082.91	89 00	84.07
65 30	1993.04	77 30	1041.99	89 30	42.04

(Smithsonian Institution, 1929)

Table 3.—Areas of Quadrilaterals of Earth's Surface of 10′ Extent in Latitude and Longitude*

Middle latitude of quadrilateral	Area in square miles	Middle latitude of quadrilateral	Area in square miles	Middle latitude of quadrilateral	Area in square miles
0° 05′	132.01	6° 05′	131.29	12 05	129.16
0 15	132.01	6 15	131.25	12 15	129.08
0 25	132.01	6 25	131.21	12 25	129.00
0 35	132.00	6 35	131.16	12 35	128.92
0 45	132.00	6 45	131.12	12 45	128.84
0 55	131.99	6 55	131.07	12 55	128.76
1 05	131.99	7 05	131.03	13 05	128.67
1 15	131.98	7 15	130.98	13 15	128.59
1 25	131.97	7 25	130.93	13 25	128.50
1 35	131.96	7 35	130.88	13 35	128.41
1 45	131.95	7 45	130.84	13 45	128.33
1 55	131.94	7 55	130.79	13 55	128.24
2 05	131.93	8 05	130.73	14 05	128.14
2 15	131.91	8 15	130.68	14 15	128.05
2 25	131.90	8 25	130.63	14 25	127.96
2 35	131.88	8 35	130.57	14 35	127.87
2 45	131.86	8° 45	130.51	14° 45	127.77
2 55	131.84	8 55	130.46	14 55	127.67
3 05	131.82	9 05	130.40	15 05	127.58
3 15	131.80	9 15	130.34	15 15	127.48
3 25	131.78	9 25	130.28	15 25	127.38
3 35	131.76	9 35	130.22	15 35	127.28
3 45	131.74	9 45	130.15	15 45	127.18
3 55	131.71	9 55	130.09	15 55	127.08
4 05	131.68	10 05	130.02	16 05	126.98
4 15	131.66	10 15	129.96	16 15	126.87
4 25	131.63	10 25	129.89	16 25	126.77
4 35	131.60	10 35	129.82	16 35	126.66
4 45	131.57	10 45	129.76	16 45	126.55
4 55	131.54	10 55	129.68	16 55	126.44
5 05	131.50	11 05	129.61	17 05	126.33
5 15	131.47	11 15	129.54	17 15	126.22
5 25	131.44	11 25	129.47	17° 25′	126.11
5 35	131.40	11 35	129.39	17 35	126.00
5 45	131.36	11 45	129.32	17 45	125.88
5 55	131.33	11 55	129.24	17 55	125.77

*Statute miles.

(Smithsonian Institution, 1929)

TABLE 3.—Areas of Quadrilaterals of Earth's Surface of 10′ Extent in Latitude and Longitude—Continued

Middle latitude of quadrilateral	Area in square miles	Middle latitude of quadrilateral	Area in square miles	Middle latitude of quadrilateral	Area in square miles
18 05	125.65	24 05	120.79	30 05	114.62
18 15	125.54	24 15	120.64	30 15	114.43
18 25	125.42	24 25	120.48	30 25	114.24
18 35	125.30	24 35	120.33	30 35	114.04
18 45	125.18	24 45	120.17	30 45	113.85
18 55	125.06	24 55	120.01	30 55	113.66
19 05	124.94	25 05	119.85	31 05	113.47
19 15	124.81	25 15	119.69	31 15	113.27
19 25	124.69	25 25	119.53	31 25	113.07
19 35	124.56	25 35	119.37	31 35	112.88
19 45	124.44	25 45	119.21	31 45	112.68
19 55	124.31	25 55	119.04	31 55	112.48
20 05	124.18	26 05	118.87	32 05	112.28
20 15	124.05	26 15	118.71	32 15	112.08
20 25	123.92	26 25	118.54	32 25	111.87
20 35	123.79	26 35	118.37	32 35	111.67
20 45	123.66	26 45	118.21	32 45	111.47
20 55	123.52	26 55	118.04	32 55	111.26
21 05	123.39	27 05	117.87	33 05	111.06
21 15	123.25	27 15	117.69	33 15	110.85
21 25	123.12	27 25	117.52	33 25	110.64
21 35	122.98	27 35	117.35	33 35	110.43
21 45	122.84	27 45	117.17	33 45	110.22
21 55	122.70	27 55	116.99	33 55	110.01
22 05	122.56	28 05	116.82	34 05	109.80
22 15	122.42	28 15	116.64	34 15	109.59
22 25	122.28	28 25	116.46	34 25	109.37
22 35	122.13	28 35	116.28	34 35	109.16
22 45	121.99	28 45	116.10	34 45	108.94
22 55	121.84	28 55	115.92	34 55	108.73
23 05	121.69	29 05	115.73	35 05	108.51
23 15	121.55	29 15	115.55	35 15	108.29
23° 25'	121.40	29° 25'	115.37	35 25	108.07
23 35	121.25	29 35	115.18	35 35	107.85
23 45	121.10	29 45	114.99	35 45	107.63
23 55	120.94	29 55	114.81	35 55	107.41

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TABLE 3.—Areas of Quadrilaterals of Earth's Surface of 10' Extent in Latitude and Longitude—Continued

Middle latitude of quadrilateral	Area in square miles	Middle latitude of quadrilateral	Area in square miles	Middle latitude of quadrilateral	Area in square miles
36 05	107.19	42 05	98.57	48 05	88.85
36 15	106.96	42 15	98.32	48 15	88.57
36 25	106.74	42 25	98.06	48 25	88.28
36 35	106.51	42 35	97.80	48 35	88.00
36 45	106.29	42 45	97.55	48 45	87.71
36 55	106.06	42 55	97.29	48 55	87.42
37 05	105.83	43 05	97.03	49 05	87.13
37 15	105.60	43 15	96.77	49 15	86.84
37 25	105.37	43 25	96.50	49 25	86.55
37 35	105.14	43 35	96.24	49 35	86.26
37 45	104.91	43 45	95.98	49 45	85.97
37 55	104.68	43 55	95.71	49 55	85.68
38° 05'	104.44	44 05	95.45	50 05	85.39
38 15	104.21	44 15	95.19	50 15	85.09
38 25	103.97	44 25	94.92	50 25	84.80
38 35	103.74	44 35	94.65	50 35	84.50
38 45	103.50	44 45	94.38	50 45	84.21
38 55	103.26	44 55	94.11	50 55	83.91
39 05	103.02	45 05	93.84	51 05	83.61
39 15	102.78	45 15	93.58	51 15	83.31
39 25	102.54	45 25	93.30	51 25	83.01
39 35	102.30	45 35	93.03	51 35	82.71
39 45	102.06	45 45	92.75	51 45	82.41
39 55	101.82	45 55	92.48	51 55	82.11
40 05	101.57	46 05	92.21	52 05	81.81
40 15	101.33	46 15	91.94	52 15	81.51
40 25	101.08	46 25	91.66	52 25	81.20
40 35	100.83	46 35	91.38	52 35	80.90
40 45	100.59	46° 45'	91.10	52° 45'	80.60
40 55	100.34	46 55	90.82	52 55	80.29
41 05	100.09	47 05	90.55	53 05	79.98
41 15	99.84	47 15	90.27	53 15	79.68
41 25	99.59	47 25	89.99	53 25	79.37
41 35	99.33	47 35	89.70	53 35	79.06
41 45	99.08	47 45	89.42	53 45	78.75
41 55	98.83	47 55	89.14	53 55	78.44

TABLE 3.—Areas of Quadrilaterals of Earth's Surface of 10 Extent in Latitude and Longitude—Continued

Middle latitude of quadrilateral	Area in square miles	Middle latitude of quadrilateral	Area in square miles	Middle latitude of quadrilateral	Area in square miles
54 05	78.13	60 05	66.51	66 05	54.13
54 15	77.82	60 15	66.18	66 15	53.78
54 25	77.51	60 25	65.84	66 25	53.42
54 35	77.19	60 35	65.51	66 35	53.06
54 45	76.88	60 45	65.17	66 45	52.71
54 55	76.57	60 55	64.84	66 55	52.35
55 05	76.25	61 05	64.50	67 05	52.00
55 15	75.94	61 15	64.16	67 15	51.64
55 25	75.62	61° 25	63.82	67° 25'	51.28
55 35	75.30	61 35	63.48	67 35	50.93
55 45	74.99	61 45	63.14	67 45	50.57
55 55	74.67	61 55	62.80	67 55	50.21
56 05	74.35	62 05	62.46	68 05	49.85
56 15	74.03	62 15	62.12	68 15	49.49
56 25	73.71	62 25	61.78	68 25	49.13
56 35	73.39	62 35	61.44	68 35	48.77
56 45	73.07	62 45	61.10	68 45	48.41
56 55	72.75	62 55	60.75	68 55	48.05
57 05	72.43	63 05	60.41	69 05	47.69
57 15	72.10	63 15	60.06	69 15	47.33
57 25	71.78	63 25	59.72	69 25	46.97
57 35	71.46	63 35	59.37	69 35	46.60
57 45	71.13	63 45	59.03	69 45	46.24
57 55	70.80	63 55	58.68	69 55	45.88
58 05	70.48	64 05	58.33	70° 05'	45.51
58 15	70.15	64 15	57.99	70 15	45.15
58 25	69.82	64 25	57.64	70 25	44.78
58 35	69.49	64 35	57.29	70 35	44.42
58° 45	69.17	64 45	56.94	70 45	44.05
58 55	68.84	64 55	56.59	70 55	43.69
59 05	68.51	65 05	56.24	71 05	43.32
59 15	68.18	65 15	55.89	71 15	42.95
59 25	67.84	65 25	55.54	71 25	42.58
59 35	67.51	65 35	55.19	71 35	42.22
59 45	67.18	65 45	54.83	71 45	41.85
59 55	66.85	65 55	54.48	71 55	41.48

TABLE 3.—Areas of Quadrilaterals of Earth's Surface of 10′ Extent in Latitude and Longitude—Continued

Middle latitude of quadrilateral	Area in square miles	Middle latitude of quadrilateral	Area in square miles	Middle latitude of quadrilateral	Area in square miles
72 05	41.11	78 05	27.62	84 05	13.79
72 15	40.74	78 15	27.24	84 15	13.40
72 25	40.37	78 25	26.85	84 25	13.02
72 35	40.00	78 35	26.47	84 35	12.63
72 45	39.63	78 45	26.09	84 45	12.24
72 55	39.26	78 55	25.71	84 55	11.86
73 05	38.89	79 05	25.33	85 05	11.47
73 15	38.52	79 15	24.95	85 15	11.08
73 25	38.15	79 25	24.57	85 25	10.69
73 35	37.78	79 35	24.18	85 35	10.30
73 45	37.41	79 45	23.80	85 45	9.92
73 55	37.03	79 55	23.42	85 55	9.53
74 05	36.66	80 05	23.04	86 05	9.14
74 15	36.29	80 15	22.65	86 15	8.75
74 25	35.91	80 25	22.27	86 25	8.36
74 35	35.54	80 35	21.89	86 35	7.97
74 45	35.17	80 45	21.50	86 45	7.59
74 55	34.79	80 55	21.12	86 55	7.20
75 05	34.42	81 05	20.73	87 05	6.81
75 15	34.04	81 15	20.35	87 15	6.42
75 25	33.66	81 25	19.97	87 25	6.03
75 35	33.29	81 35	19.58	87 35	5.64
75 45	32.91	81 45	19.20	87 45	5.25
75 55	32.53	81 55	18.81	87 55	4.86
76°05′	32.16	82 05	18.43	88 05	4.47
76 15	31.78	82 15	18.04	88 15	4.09
76 25	31.40	82 25	17.65	88 25	3.70
76 35	31.03	82 35	17.27	88 35	3.31
76 45	30.65	82 45	16.88	88 45	2.92
76 55	30.27	82 55	16.50	88 55	2.53
77 05	29.89	83 05	16.11	89 05	2.14
77 15	29.51	83 15	15.73	89 15	1.75
77 25	29.13	83 25	15.34	89 25	1.36
77 35	28.76	83 35	14.95	89 35	0.97
77 45	28.37	83 45	14.57	89 45	0.58
77 55	27.99	83 55	14.18	89 55	0.19

TABLE 4.—Length of a Degree of Latitude and Longitude

	Degree of latitude				Degree of longitude				
Lat. °	Nautical miles	Statute miles	Feet	Meters	Nautical miles	Statute miles	Feet	Meters	Lat. °
0	59.702	68.703	362 752	110 567	60.109	69.172	365 226	111 321	0
1	.702	.704	755	568	60.100	69.161	365 170	111 304	1
2	.703	.704	758	569	60.072	69.129	365 003	111 253	2
3	.703	.705	762	570	60.027	69.077	364 727	111 169	3
4	.705	.707	772	573	59.963	69.004	364 340	111 051	4
5	59.707	68.709	362 781	110 576	59.882	68.910	363 844	110 900	5
6	.709	.711	795	580	59.782	68.795	363 237	110 715	6
7	.711	.714	808	584	59.664	68.660	362 522	110 497	7
8	.714	.717	824	589	59.528	68.503	361 695	110 245	8
9	.717	.720	844	595	59.373	68.325	360 757	109 959	9
10	59.720	68.724	362 863	110 601	59.202	68.128	359 714	109 641	10
11	.724	.728	886	608	59.012	67.909	358 559	109 289	11
12	.728	.733	913	616	58.804	67.670	357 296	108 904	12
13	.733	.738	939	624	58.578	67.410	355 924	108 486	13
14	.737	.744	362 968	633	58.335	67.130	354 448	108 036	14
15	59.743	68.750	363 001	110 643	58.074	66.830	352 863	107 553	15
16	.748	.756	034	653	57.795	66.509	351 167	107 036	16
17	.754	.763	067	663	57.499	66.168	349 366	106 487	17
18	.760	.770	106	675	57.185	65.807	347 460	105 906	18
19	.766	.777	142	686	56.855	65.427	345 452	105 294	19
20	59.773	68.785	363 185	110 699	56.506	65.026	343 336	104 649	20
21	.780	.793	228	712	56.141	64.605	341 115	103 972	21
22	.787	.801	270	725	55.758	64.165	338 792	103 264	22
23	.795	.810	316	739	55.359	63.705	336 364	102 524	23
24	.802	.819	362	753	54.943	63.227	333 838	101 754	24
25	59.810	68.828	363 411	110 768	54.510	62.729	331 207	100 952	25
26	.818	.837	461	783	54.060	62.211	328 474	100 119	26
27	.827	.847	513	799	53.595	61.675	325 646	99 257	27
28	.836	.857	566	815	53.113	61.120	322 716	98 364	28
29	.845	.868	621	832	52.614	60.547	319 688	97 441	29

(H.O. Pub. No. 9)

TABLE 4.—Length of a Degree of Latitude and Longitude—Continued

	Degree of latitude				Degree of longitude				
Lat. °	Nautical miles	Statute miles	Feet	Meters	Nautical miles	Statute miles	Feet	Meters	Lat. °
30	59.853	68.878	363 674	110 848	52.100	59.955	316 561	96 488	30
31	.863	.889	733	866	51.569	59.345	313 339	95 506	31
32	.872	.899	789	883	51.024	58.716	310 022	94 495	32
33	.882	.911	848	901	50.462	58.070	306 610	93 455	33
34	.892	.922	907	919	49.885	57.407	303 106	92 387	34
35	59.902	68.934	363 969	110 938	49.293	56.725	299 507	91 290	35
36	.912	.945	364 028	956	48.686	56.026	295 820	90 166	36
37	.922	.957	090	975	48.064	55.311	292 040	89 014	37
38	.932	.968	153	110 994	47.427	54.578	288 172	87 835	38
39	.943	.980	215	111 013	46.776	53.829	284 215	86 629	39
40	59.953	68.993	364 281	111 033	46.110	53.063	280 170	85 396	40
41	.964	69.004	343	052	45.431	52.280	276 039	84 137	41
42	.974	.017	409	072	44.737	51.482	271 827	82 853	42
43	.985	.029	471	091	44.030	50.668	267 529	81 543	43
44	59.995	.041	537	111	43.309	49.839	263 149	80 208	44
45	60.006	69.053	364 602	111 131	42.575	48.994	258 690	78 849	45

TABLE 4.—Length of a Degree of Latitude and Longitude—Continued

	Degree of latitude				Degree of longitude				
Lat. °	Nautical miles	Statute miles	Feet	Meters	Nautical miles	Statute miles	Feet	Meters	Lat. °
45	60.006	69.053	364 602	111 131	42.575	48.994	258 690	78 849	45
46	.017	.066	668	151	41.829	48.135	254 153	77 466	46
47	.027	.078	730	170	41.068	47.260	249 534	76 058	47
48	.038	.090	796	190	40.296	46.372	244 842	74 628	48
49	.049	.103	861	210	39.511	45.468	240 072	73 174	49
50	60.059	69.114	364 924	111 229	38.714	44.551	235 229	71 698	50
51	.070	.127	364 989	249	37.905	43.620	230 314	70 200	51
52	.080	.139	365 052	268	37.084	42.676	225 328	68 680	52
53	.091	.150	114	287	36.253	41.719	220 275	67 140	53
54	.101	.162	176	306	35.409	40.748	215 150	65 578	54
55	60.111	69.174	365 239	111 325	34.555	39.765	209 960	63 996	55
56	.121	.185	298	343	33.691	38.770	204 708	62 395	56
57	.130	.196	357	361	32.816	37.763	199 389	60 774	57
58	.140	.208	416	379	31.931	36.745	194 012	59 135	58
59	.150	.219	475	397	31.036	35.715	188 576	57 478	59
60	60.159	69.229	365 531	111 414	30.131	34.674	183 077	55 802	60
61	.169	.241	590	432	29.217	33.622	177 526	54 110	61
62	.177	.250	642	448	28.294	32.560	171 916	52 400	62
63	.186	.260	695	464	27.362	31.488	166 256	50 675	63
64	.195	.270	747	480	26.422	30.406	160 544	48 934	64
65	60.203	69.280	365 800	111 496	25.474	29.314	154 780	47 177	65
66	.211	.290	849	511	24.518	28.215	148 973	45 407	66
67	.219	.298	895	525	23.554	27.105	143 117	43 622	67
68	.227	.307	941	539	22.583	25.988	137 214	41 823	68
69	.234	.316	365 987	553	21.605	24.862	131 273	40 012	69
70	60.241	69.324	366 029	111 566	20.620	23.729	125 288	38 188	70
71	.248	.331	069	578	19.629	22.589	119 268	36 535	71
72	.254	.339	108	590	18.632	21.441	113 208	34 506	72
73	.261	.346	148	602	17.629	20.286	107 113	32 648	73
74	.267	.353	184	613	16.621	19.126	100 987	30 781	74

TABLE 4. Length of a Degree of Latitude and Longitude—Continued

	Degree of latitude				Degree of longitude				
Lat. °	Nautical miles	Statute miles	Feet	Meters	Nautical miles	Statute miles	Feet	Meters	Lat. °
75	60.272	69.359	366 216	111 623	15.606	17.959	94 826	28 903	75
76	.277	.365	246	632	14.588	16.788	88 638	27 017	76
77	.282	.371	279	642	13.565	15.611	82 424	25 123	77
78	.287	.376	305	650	12.538	14.428	76 181	23 220	78
79	.291	.381	331	658	11.507	13.242	69 918	21 311	79
80	60.295	69.385	366 354	111 665	10.472	12.051	63 628	19 394	80
81	.298	.389	374	671	9.434	10.857	57 323	17 472	81
82	.301	.393	394	677	8.394	9.659	51 001	15 545	82
83	.304	.396	410	682	7.350	8.458	44 659	13 612	83
84	.307	.399	426	687	6.304	7.254	38 304	11 675	84
85	60.309	69.401	366 440	111 691	5.257	6.049	31 939	9 735	85
86	.310	.403	449	694	4.207	4.842	25 564	7 792	86
87	.311	.405	456	696	3.157	3.633	19 180	5 846	87
88	.312	.406	463	698	2.105	2.422	12 789	3 898	88
89	.313	.406	466	699	1.052	1.211	6 394	1 949	89
90	60.313	69.406	366 466	111 699	0.000	0.000	0	0	90

TABLE 5.—Conversion of Compass Points to Degrees

North to East	Points 32	Angular measure ° ′ ″	Points 8
North	0	0 00 00	0
N 1/4 E	1/4	2 48 45	
N 1/2 E	1/2	5 37 30	
N 3/4 E	3/4	8 26 15	
N by E	1	11 15 00	
N by E 1/4 E	1 1/4	14 03 45	
N by E 1/2 E	1 1/2	16 52 30	
N by E 3/4 E	1 3/4	19 41 15	
NNE	2	22 30 00	1
NNE 1/4 E	2 1/4	25 18 45	
NNE 1/2 E	2 1/2	28 07 30	
NNE 3/4 E	2 3/4	30 56 15	
NE by N	3	33 45 00	
NE 3/4 N	3 1/4	36 33 45	
NE 1/2 N	3 1/2	39 22 30	
NE 1/4 N	3 3/4	42 11 15	
NE	4	45 00 00	
NE 1/4 E	4 1/4	47 48 45	
NE 1/2 E	4 1/2	50 37 30	
NE 3/4 E	4 3/4	53 26 15	
NE by E	5	56 15 00	
NE by E 1/4 E	5 1/4	59 03 45	
NE by E 1/2 E	5 1/2	61 52 30	
NE by E 3/4 E	5 3/4	64 41 15	
ENE	6	67 30 00	2
ENE 1/4 E	6 1/4	70 18 45	
ENE 1/2 E	6 1/2	73 07 30	
ENE 3/4 E	6 3/4	75 56 15	
E by N	7	78 45 00	
E 3/4 N	7 1/4	81 33 45	
E 1/2 N	7 1/2	84 22 30	
E 1/4 N	7 3/4	87 11 15	

East to South	Points 32	Angular measure ° ′ ″	Points 8
East	8	90 00 00	2
E 1/4 S	8 1/4	92 48 45	
E 1/2 S	8 1/2	95 37 30	
E 3/4 S	8 3/4	98 26 15	
E by S	9	101 15 00	
ESE 3/4 E	9 1/4	104 03 45	
ESE 1/2 E	9 1/2	106 52 30	
ESE 1/4 E	9 3/4	109 41 15	
ESE	10	112 30 00	3
SE by E 3/4 E	10 1/4	115 18 45	
SE by E 1/2 E	10 1/2	118 07 30	
SE by E 1/4 E	10 3/4	120 56 15	
SE by E	11	123 45 00	
SE 3/4 E	11 1/4	126 33 45	
SE 1/2 E	11 1/2	129 22 30	
SE 1/4 E	11 3/4	132 11 15	
SE	12	135 00 00	
SE 1/4 S	12 1/4	137 48 45	
SE 1/2 S	12 1/2	140 37 30	
SE 3/4 S	12 3/4	143 26 15	
SE by S	13	146 15 00	
SSE 3/4 E	13 1/4	149 03 45	
SSE 1/2 E	13 1/2	151 52 30	
SSE 1/4 E	13 3/4	154 41 15	
SSE	14	157 30 00	4
S by E 3/4 E	14 1/4	160 18 45	
S by E 1/2 E	14 1/2	163 07 30	
S by E 1/4 E	14 3/4	165 56 15	
S by E	15	168 45 00	
S 3/4 E	15 1/4	171 33 45	
S 1/2 E	15 1/2	174 22 30	
S 1/4 E	15 3/4	177 11 15	
South	16	180 00 00	

TABLE 5.—Conversion of Compass Points to Degrees—Continued

	Points 32	Angular measure	Points 8
South to West		° ′ ″	
South	16	180 00 00	4
S 1/4 W	16 1/4	182 48 45	
S 1/2 W	16 1/2	185 37 30	
S 3/4 W	16 3/4	188 26 15	
S by W	17	191 15 00	
S by W 1/4 W	17 1/4	194 03 45	
S by W 1/2 W	17 1/2	196 52 30	
S by W 3/4 W	17 3/4	199 41 15	
SSW	18	202 30 00	
SSW 1/4 W	18 1/4	205 18 45	5
SSW 1/2 W	18 1/2	208 07 30	
SSW 3/4 W	18 3/4	210 56 15	
SW by S	19	213 45 00	
SW 3/4 S	19 1/4	216 33 45	
SW 1/2 S	19 1/2	219 22 30	
SW 1/4 S	19 3/4	222 11 15	
SW	20	225 00 00	
SW 1/4 W	20 1/4	227 48 45	
SW 1/2 W	20 1/2	230 37 30	
SW 3/4 W	20 3/4	233 26 15	
SW by W	21	236 15 00	
SW by W 1/4 W	21 1/4	239 03 45	
SW by W 1/2 W	21 1/2	241 52 30	
SW by W 3/4 W	21 3/4	244 41 15	
WSW	22	247 30 00	
WSW 1/4 W	22 1/4	250 18 45	6
WSW 1/2 W	22 1/2	253 07 30	
WSW 3/4 W	22 3/4	255 56 15	
W by S	23	258 45 00	
W 3/4 S	23 1/4	261 33 45	
W 1/2 S	23 1/2	264 22 30	
W 1/4 S	23 3/4	267 11 15	

	Points 32	Angular measure	Points
West to North		° ′ ″	
West	24	270 00 00	6
W 1/4 N	24 1/4	272 48 45	
W 1/2 N	24 1/2	275 37 30	
W 3/4 N	24 3/4	278 26 15	
W by N	25	281 15 00	
WNW 3/4 W	25 1/4	284 03 45	
WNW 1/2 W	25 1/2	286 52 30	
WNW 1/4 W	25 3/4	289 41 15	
WNW	26	292 30 00	
NW by W 3/4 W	26 1/4	295 18 45	7
NW by W 1/2 W	26 1/2	298 07 30	
NW by W 1/4 W	26 3/4	300 56 15	
NW by W	27	303 45 00	
NW 3/4 W	27 1/4	306 33 45	
NW 1/2 W	27 1/2	309 22 30	
NW 1/4 W	27 3/4	312 11 15	
NW	28	315 00 00	
NW 1/4 N	28 1/4	317 48 45	
NW 1/2 N	28 1/2	320 37 30	
NW 3/4 N	28 3/4	323 26 15	
NW by N	29	326 15 00	
NNW 3/4 W	29 1/4	329 03 45	
NNW 1/2 W	29 1/2	331 52 30	
NNW 1/4 W	29 3/4	334 41 15	
NNW	30	337 30 00	
N by W 3/4 W	30 1/4	340 18 45	8
N by W 1/2 W	30 1/2	343 07 30	
N by W 1/4 W	30 3/4	345 56 15	
N by W	31	348 45 00	
N 3/4 W	31 1/4	351 33 45	
N 1/2 W	31 1/2	354 22 30	
N 1/4 W	31 3/4	357 11 15	
North	32	360 00 00	

References

Tables 1, 2, and 3

Smithsonian Institution, *Smithsonian Geographical Tables*, Miscellaneous Collection 854. 3d Edition, 2d Printing, Washington, D.C. 1929.

Tables 4 and 5

U.S. Navy Hydrographic Office, *American Practical Navigator* (Bowditch), H.O. Pub. No. 9. Washington, D.C. 1958.

SECTION II

Data on Oceans Not Related to Geography

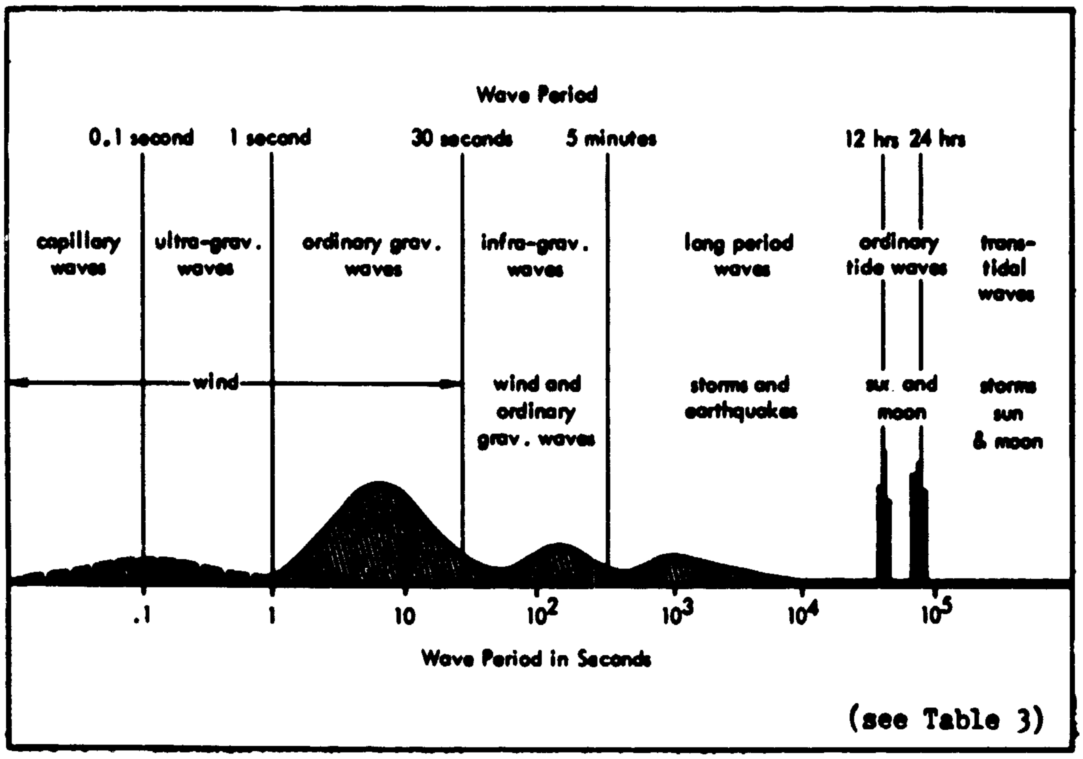
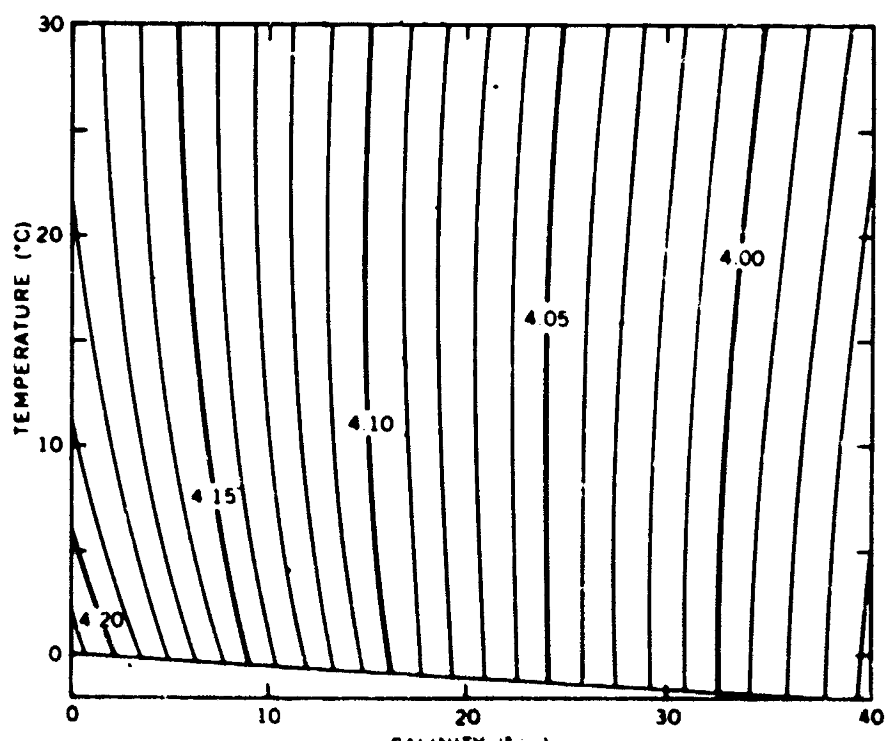


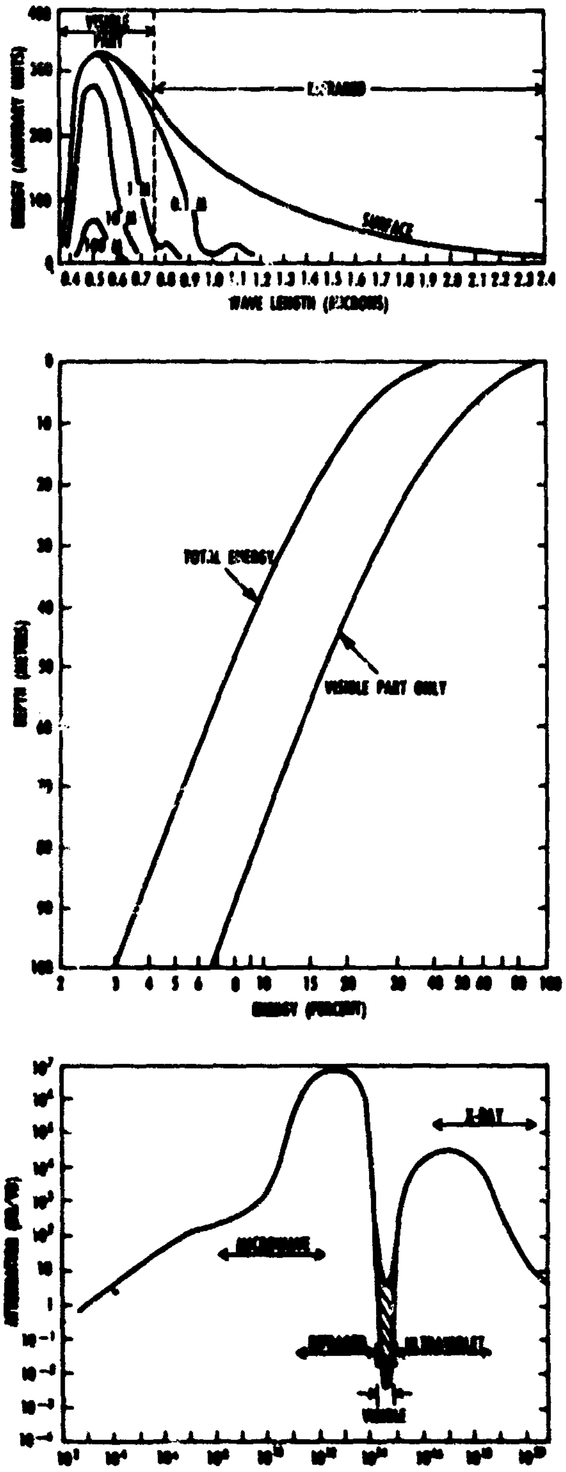
FIGURE 1.—Spectral Classification of Ocean Waves. (The Relative Amplitude is Indicated by the Curve)



(Cox and Smith, 1959)

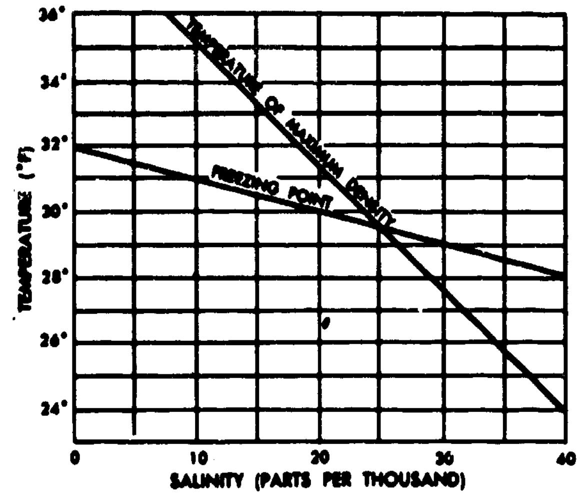
FIGURE 2.—Specific Heat of Sea Water as a Function of Temperature and Salinity at Atmospheric Pressure

Specific Heat of Sea Water, c_p in Absolute Joules per gram per degree Celsius as a Function of Temperature (°C) and Salinity (‰) at Atmospheric Pressure



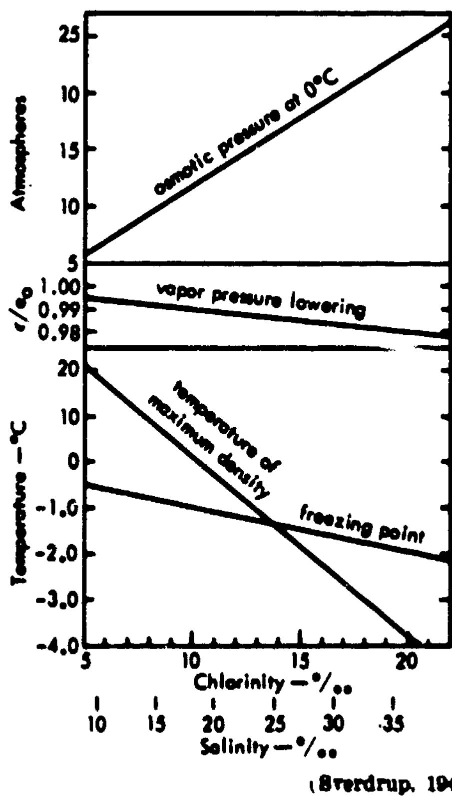
(Kovit, 1960)

FIGURE 3.—Attenuation of Electromagnetic Energy in Sea Water



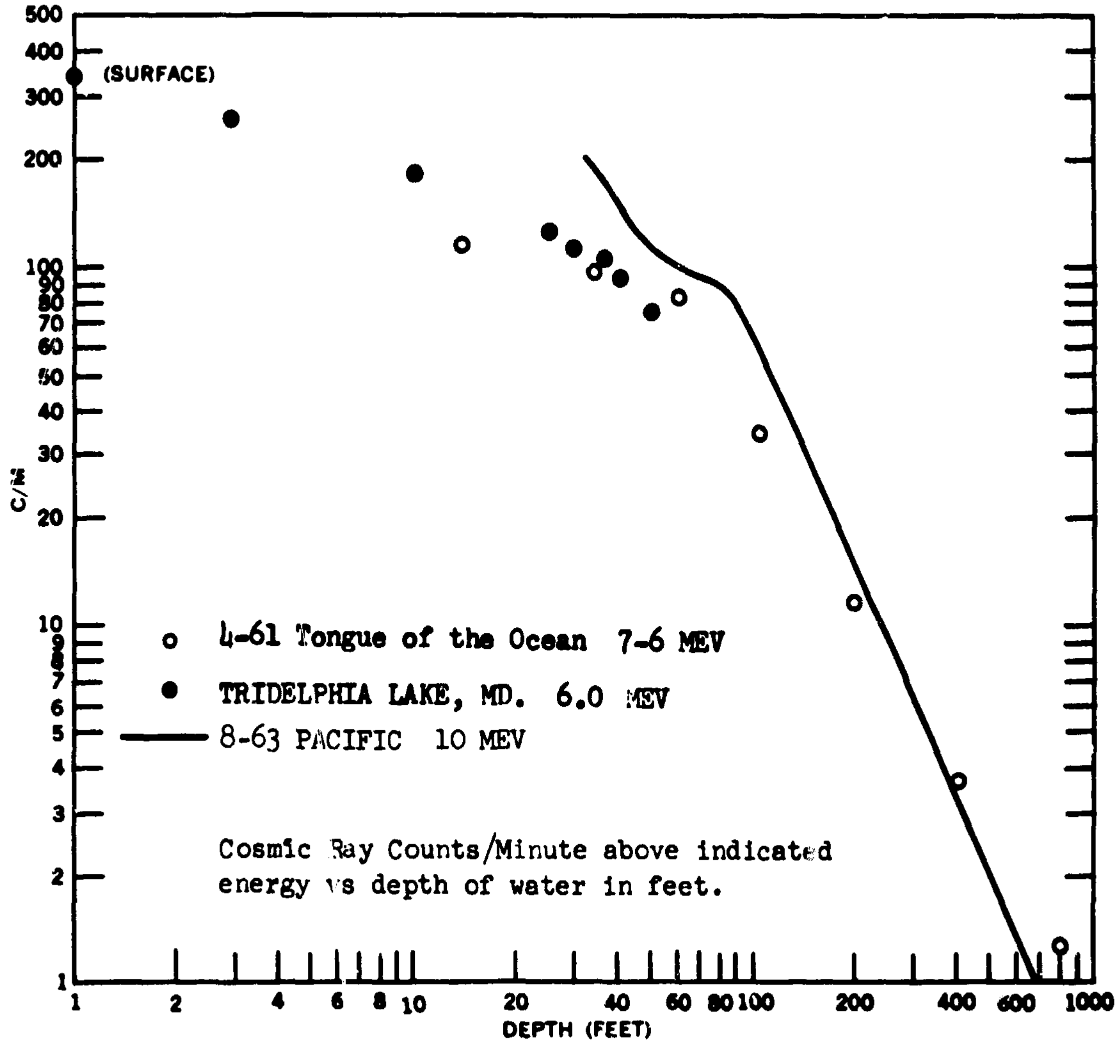
(H.O. Pub. No. 9)

FIGURE 4.—Relationship Between Temperature of Maximum Density and Freezing Point for Water of Varying Salinity



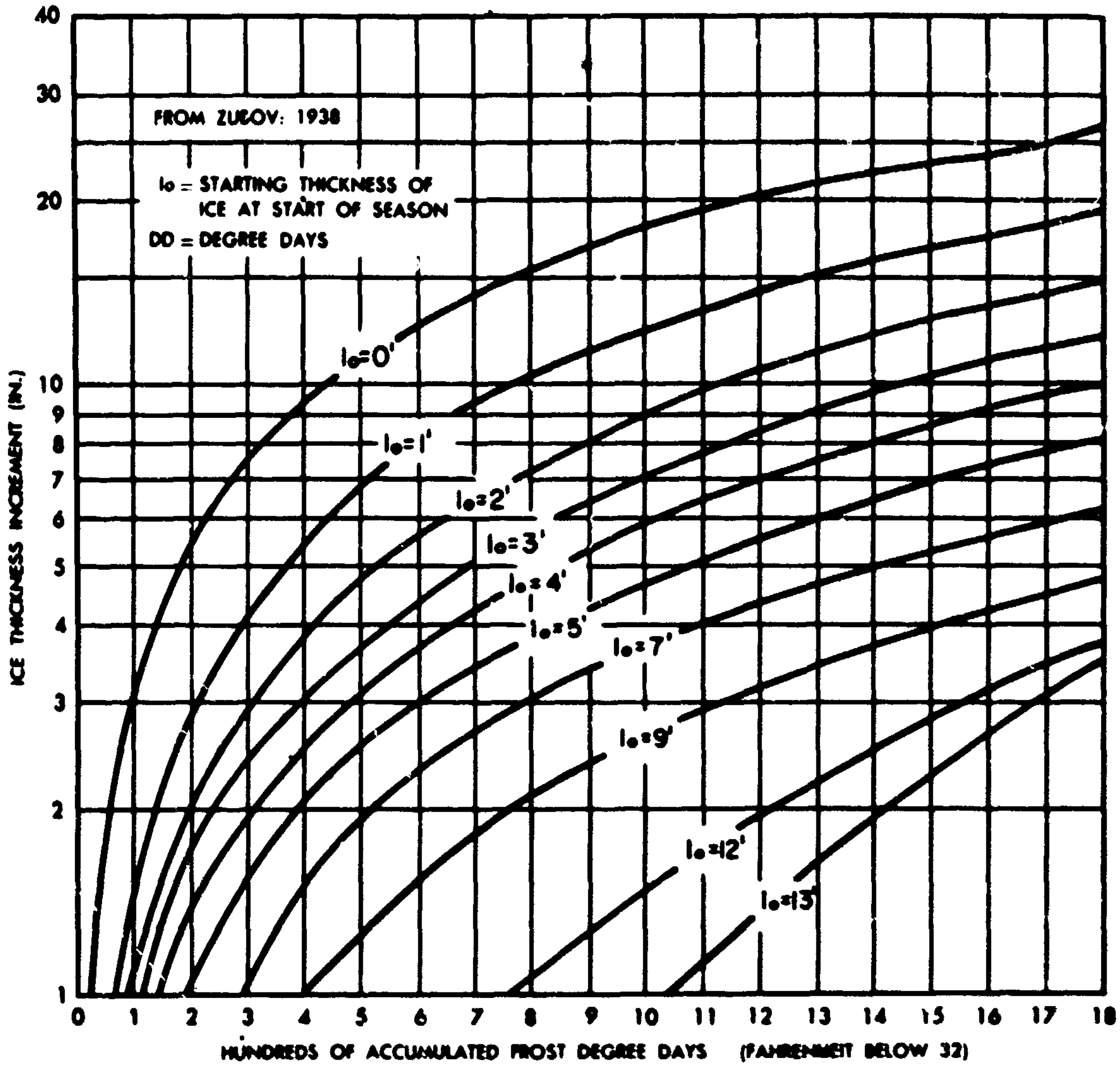
(Sverdrup, 1942)

FIGURE 5.—Colligative Properties of Sea Water



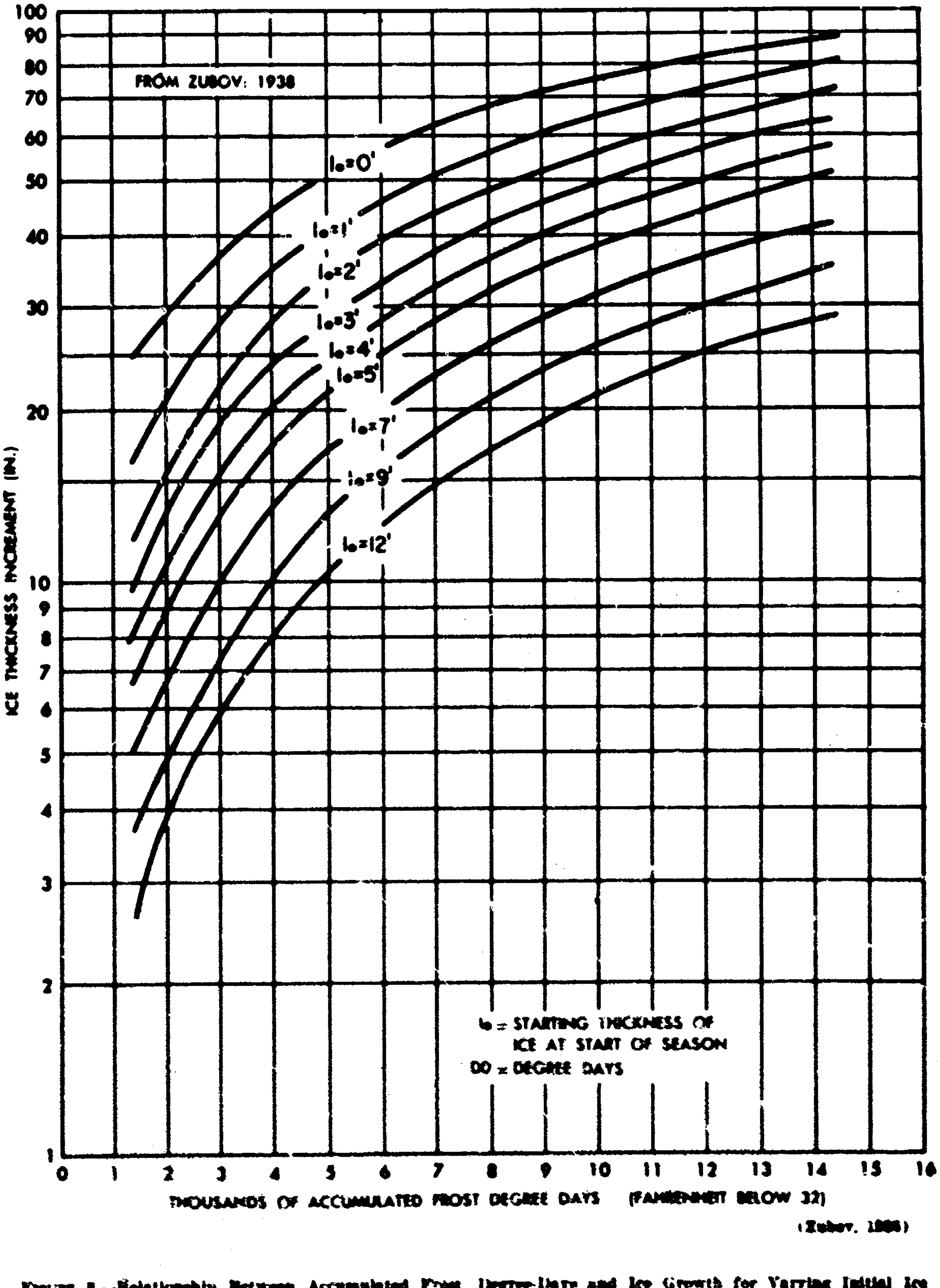
(Naval Ordnance Laboratory)

FIGURE 8.—Cosmic Radiation Count Rate Versus Depth



(Zubov, 1938)

FIGURE 7.—Relationship Between Accumulated Frost Degree-Days and Ice Growth for Varying Initial Ice Thicknesses (Small Degree-Days Accumulations)



(Zubov, 1938)

Figure 8.—Relationship Between Accumulated Frost Degree-Days and Ice Growth for Varying Initial Ice Thicknesses (Large Degree-Days Accumulations)

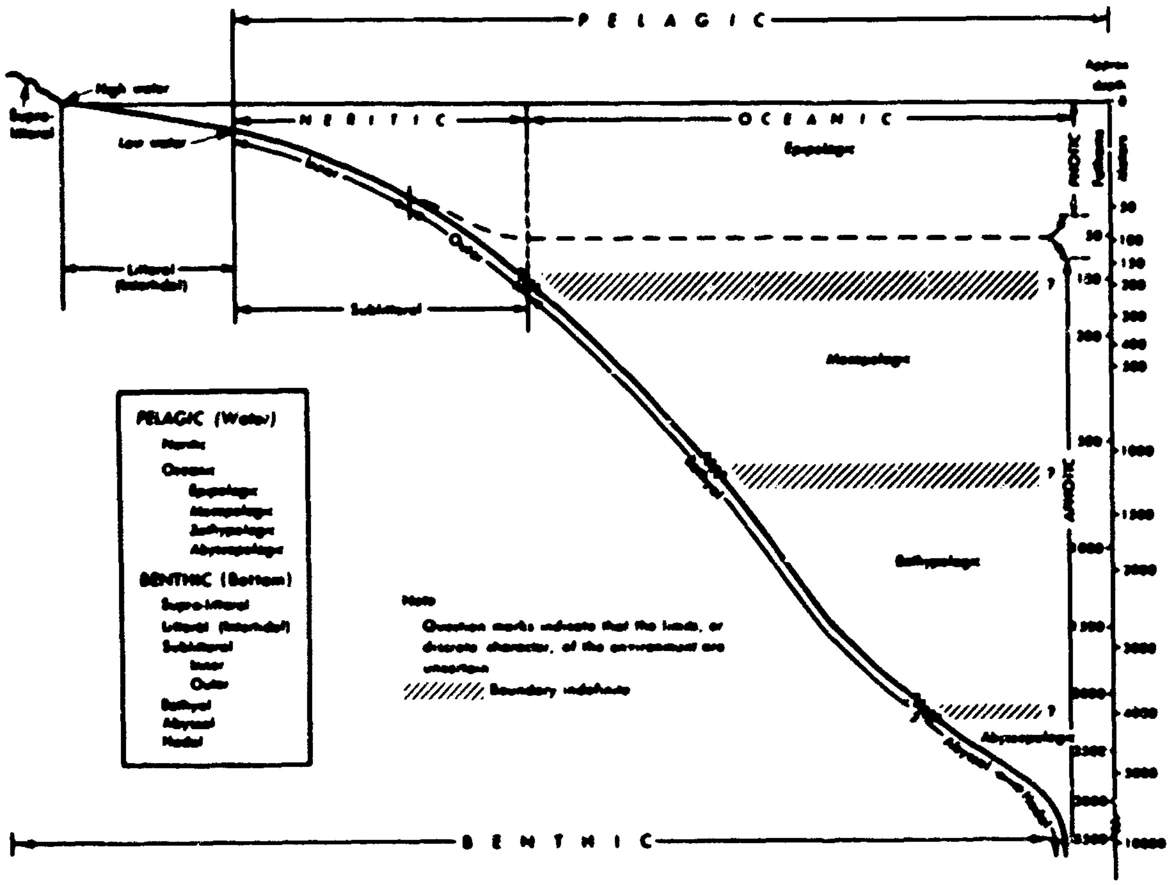


FIGURE 9.—Classification of Marine Environments (Hedgepeth, 1957)

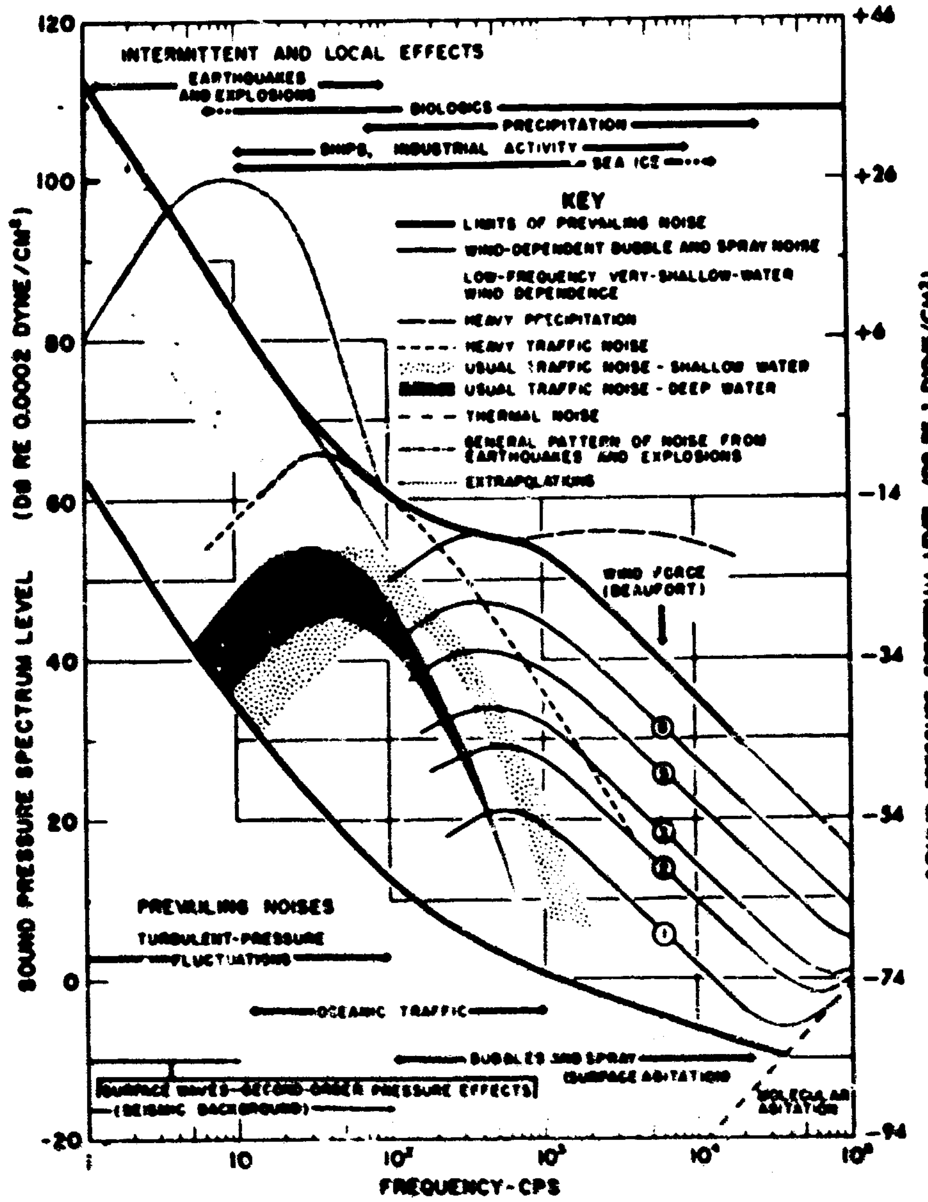
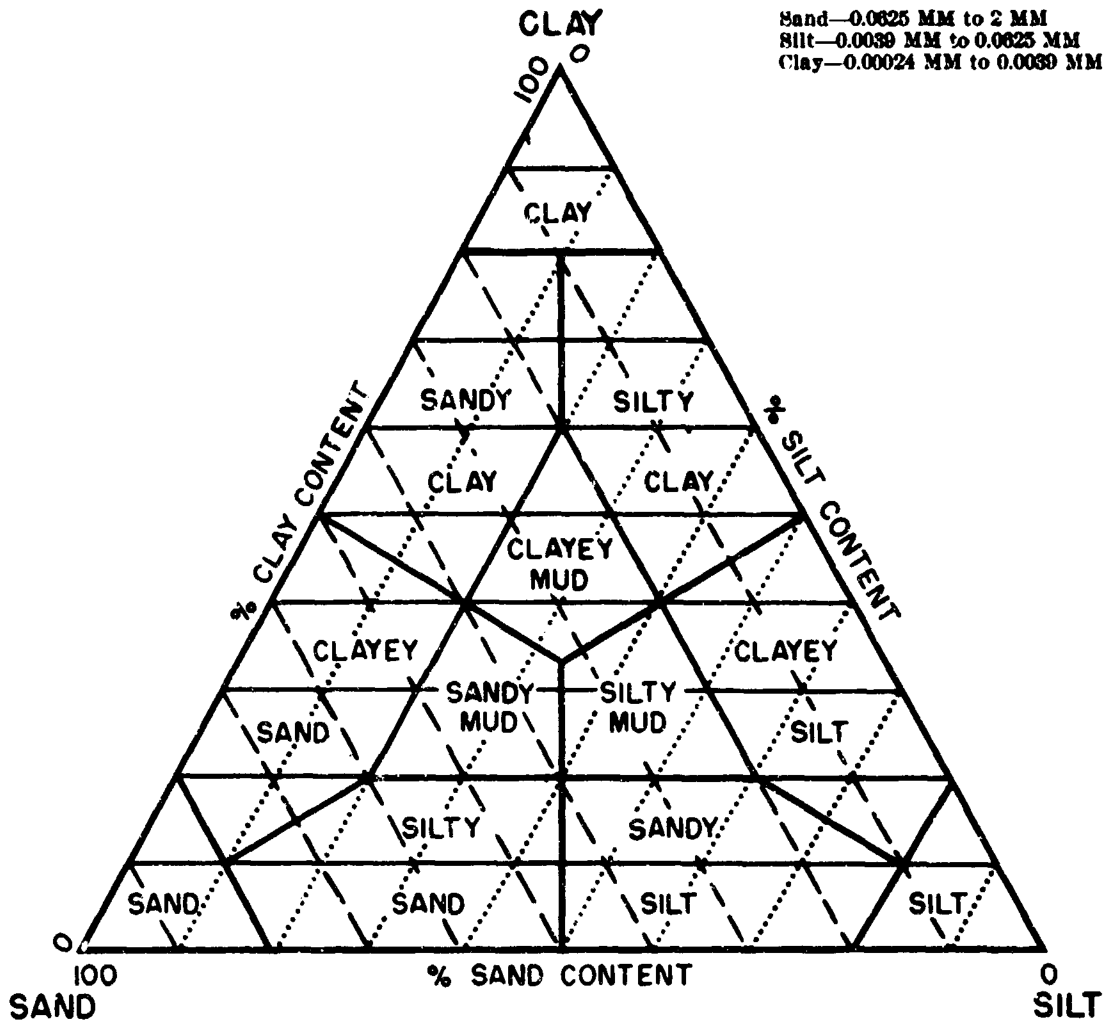


FIGURE 10.—Composite of Ambient Ocean Noise Spectra (Wenz, 1962)

Sand—0.0625 MM to 2 MM
Silt—0.0039 MM to 0.0625 MM
Clay—0.00024 MM to 0.0039 MM



(Shepard, 1954)

FIGURE 11.—Nomenclature of Sediment Types

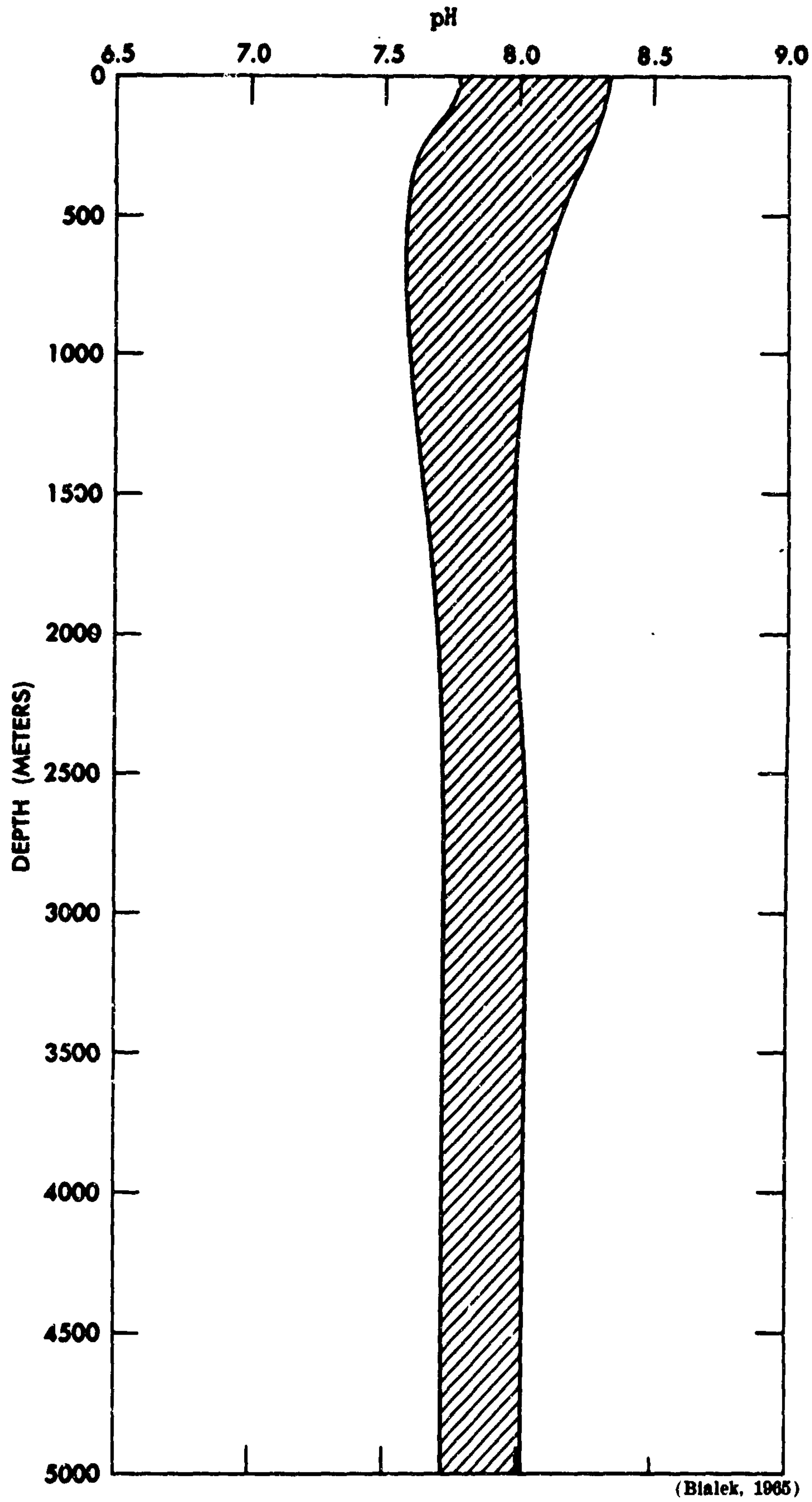


FIGURE 12.—pH Range vs Depth for World's Oceans

TABLE 1.—Beaufort Scale with Corresponding Sea State Codes

Beaufort number	Wind speed: knots	Wind speed: mph	Wind speed: meters per second	Wind speed: km per hour	Seaman's term	U. S. Weather Bureau term	Estimating wind speed: Effects observed at sea	Estimating wind speed: Effects observed on land	WMO Code: Term and height of waves, in feet	WMO Code: Code
0	under 1	under 1	0.0-0.2	under 1	Calm	Light	Sea like mirror.	Calm; smoke rises vertically.	Calm, glassy, 0	0
1	1-3	1-3	0.3-1.5	1-5	Light air		Ripples with appearance of scales; no foam crests.	Smoke drift indicates wind direction; vanes do not move.		
2	4-6	4-7	1.6-3.3	6-11	Light breeze		Small wavelets; crests of glassy appearance, not breaking.	Wind felt on face; leaves rustle; vanes begin to move.	Rippled, 0-1	1
3	7-10	8-12	3.4-5.4	12-19	Gentle breeze	Gentle	Large wavelets; crests begin to break; scattered whitecaps.	Leaves, small twigs in constant motion; light flags extended.	Smooth, 1-2	2
4	11-16	13-18	5.5-7.9	20-28	Moderate breeze	Moderate	Small waves, becoming longer; numerous whitecaps.	Dust, leaves, and loose paper raised up; small branches move.	Slight, 2-4	3
5	17-21	19-24	8.0-10.7	29-38	Fresh breeze	Fresh	Moderate waves, taking longer form; many whitecaps; some spray.	Small trees in leaf begin to sway.	Moderate, 4-8	4
6	22-27	25-31	10.8-13.8	39-49	Strong breeze	Strong	Larger waves forming; whitecaps everywhere; more spray.	Larger branches of trees in motion; whistling heard in wires.	Rough, 8-13	5
7	28-33	32-38	13.9-17.1	50-61	Moderate gale		Sea heaps up; white foam from breaking waves begins to be blown in streaks.	Whole trees in motion; resistance felt in walking against wind.	Very rough, 13-20	6
8	34-40	39-46	17.2-20.7	62-74	Fresh gale	Gale	Moderately high waves of greater length; edges of crests begin to break into spindrift; foam is blown in well-marked streaks.	Twigs and small branches broken off trees; progress generally impeded.		
9	41-47	47-54	20.8-24.4	75-88	Strong gale		High waves; sea begins to roll; dense streaks of foam; spray may reduce visibility.	Slight structural damage occurs; slate blown from roofs.		
10	48-55	55-63	24.5-28.4	89-102	Whole gale	Whole gale	Very high waves with overhanging crests; sea takes white appearance as foam is blown in very dense streaks; rolling is heavy and visibility reduced.	Seldom experienced on land; trees broken or uprooted; considerable structural damage occurs.	High, 20-30	7
11	56-63	64-72	28.5-32.6	103-117	Storm		Exceptionally high waves; sea covered with white foam patches; visibility still more reduced.	Very rarely experienced on land; usually accompanied by widespread damage.	Very high, 30-45	8
12 13 14 15 16 17	64-71 72-80 81-89 90-99 100-108 109-118	73-82 83-92 93-103 104-114 115-125 126-136	32.7-36.9 37.0-41.4 41.5-46.1 46.2-50.9 51.0-56.0 56.1-61.2	118-133 134-149 150-166 167-183 184-201 202-220	Hurricane	Hurricane	Air filled with foam; sea completely white with driving spray; visibility greatly reduced.		Phenomenal, over 45	9

Note: Since January 1, 1955, weather map symbols have been based upon wind speed in knots, at five-knot intervals, rather than upon Beaufort number.

(H.O. Pub. No. 9)

TABLE 2.—Minimum Time that Wind Must Blow to Form Waves of Significant Height

Minimum Time (T) in hours that wind must blow to form waves of H significant height (in feet) and I in nautical miles. Based upon the relationships given in H.O. Pub. No. 604, Techniques for Foreca- See also H.O. Pub. No. 603, Observing and Forecasting Ocean Waves.

Fetch	BEAUFORT NUMBER																		
	3			4			5			6			7			8			
	T	H	P	T	H	P	T	H	P	T	H	P	T	H	P	T	H	P	
10	4.4	1.8	2.1	3.7	2.6	2.4	3.2	3.5	2.8	2.7	5.0	3.1	2.5	6.0	3.4	2.3	7.3	3.9	2.0
20	7.1	2.0	2.5	6.2	3.2	2.9	5.4	4.9	3.3	4.7	7.0	3.8	4.2	8.6	4.3	3.9	10.0	4.4	3.5
30	9.8	2.0	2.8	8.3	3.8	3.3	7.2	5.8	3.7	6.2	8.0	4.2	5.8	10.0	4.6	5.2	12.1	5.0	4.7
40	12.0	2.0	3.0	10.3	3.9	3.6	8.9	6.2	4.1	7.8	9.0	4.6	7.1	11.2	4.9	6.5	14.0	5.4	5.8
50	14.0	2.0	3.2	12.4	4.0	3.8	11.0	6.5	4.4	9.1	9.8	4.8	8.4	12.2	5.2	7.7	15.7	5.6	6.9
60	16.0	2.0	3.5	14.0	4.0	4.0	12.0	6.8	4.6	10.2	10.3	5.1	9.6	13.2	5.5	8.7	17.0	6.0	8.0
70	18.0	2.0	3.7	15.8	4.0	4.1	13.5	7.0	4.8	11.9	10.8	5.4	10.5	13.9	5.7	9.9	18.0	6.4	9.0
80	20.0	2.0	3.8	17.0	4.0	4.2	15.0	7.2	4.9	13.0	11.0	5.6	12.0	14.5	6.0	11.0	18.9	6.6	10.0
90	23.6	2.0	3.9	18.8	4.0	4.3	16.5	7.3	5.1	14.1	11.2	5.8	13.0	15.0	6.3	12.0	20.0	6.7	11.0
100	27.1	2.0	4.0	20.0	4.0	4.4	17.5	7.3	5.3	15.1	11.4	6.0	14.0	15.5	6.5	12.8	20.5	6.9	11.9
120	31.1	2.0	4.2	22.4	4.1	4.7	20.0	7.8	5.4	17.0	11.7	6.2	15.9	16.0	6.7	14.5	21.5	7.3	13.1
140	36.6	2.0	4.5	25.8	4.2	4.9	22.5	7.9	5.8	19.1	11.9	6.4	17.6	16.2	7.0	16.0	22.0	7.6	14.8
160	43.2	2.0	4.9	28.4	4.2	5.2	24.3	7.9	6.0	21.1	12.0	6.6	19.5	16.5	7.3	18.0	23.0	8.0	16.4
180	50.0	2.0	4.9	30.9	4.3	5.4	27.0	8.0	6.2	23.1	12.1	6.8	21.3	17.0	7.5	19.9	23.5	8.3	18.0
200				33.5	4.3	5.6	29.0	8.0	6.4	25.4	12.2	7.1	23.1	17.5	7.7	21.5	23.5	8.5	19.3
220				36.5	4.4	5.8	31.1	8.0	6.6	27.2	12.3	7.2	25.0	17.9	8.0	22.9	24.0	8.8	20.9
240				39.2	4.4	5.9	33.1	8.0	6.8	29.0	12.4	7.3	26.8	17.9	8.2	24.4	24.5	9.0	22.0
260				41.9	4.4	6.0	34.9	8.0	6.9	30.5	12.6	7.5	28.0	18.0	8.4	26.0	25.0	9.2	23.5
280				44.5	4.4	6.2	36.8	8.0	7.0	32.4	12.9	7.8	29.5	18.0	8.5	27.7	25.0	9.4	25.0
300				47.0	4.4	6.3	38.5	8.0	7.1	34.1	13.1	8.0	31.5	18.0	8.7	29.0	25.0	9.5	26.3
320							40.5	8.0	7.2	36.0	13.3	8.2	33.0	18.0	8.9	30.2	25.0	9.6	27.6
340							42.4	8.0	7.3	37.6	13.4	8.3	34.2	18.0	9.0	31.6	25.0	9.8	29.0
360							44.2	8.0	7.4	38.8	13.4	8.4	35.7	18.1	9.1	33.0	25.0	9.9	30.0
380							46.1	8.0	7.5	40.2	13.5	8.5	37.1	18.2	9.3	34.2	25.5	10.0	31.3
400							48.0	8.0	7.7	42.2	13.5	8.6	38.8	18.4	9.5	35.6	26.0	10.2	32.5
420							50.0	8.0	7.8	43.5	13.6	8.7	40.0	18.7	9.6	36.9	26.5	10.3	33.7
440							52.0	8.0	7.9	44.7	13.7	8.8	41.3	18.8	9.7	38.1	27.0	10.4	34.8
460							54.0	8.0	8.0	46.2	13.7	8.9	42.8	19.0	9.8	39.5	27.5	10.6	36.0
480							56.0	8.0	8.1	47.8	13.7	9.0	44.0	19.0	9.9	41.0	27.5	10.8	37.0
500							58.0	8.0	8.2	49.2	13.8	9.1	45.5	19.1	10.1	42.1	27.5	10.9	38.3
550										53.0	13.8	9.3	48.5	19.5	10.3	44.9	27.5	11.1	41.0
600										56.3	13.8	9.5	51.8	19.7	10.5	47.7	27.5	11.3	43.6
650													55.0	19.8	10.7	50.3	27.5	11.6	46.4
700													58.5	19.8	11.0	53.2	27.5	11.8	49.0
750																56.2	27.5	12.1	51.0
800																59.2	27.5	12.3	53.8
850																			56.2
900																			58.2
950																			
1,000																			

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that Wind Must Blow to Form Waves of Significant Height and Period

st blow to form waves of H significant height (in feet) and P period (in seconds). Fetch
tionships given in H.O. Pub. No. 604, Techniques for Forecasting Wind Waves and Swell,
nd Forecasting Ocean Waves.

BEAUFORT NUMBER																
	7			8			9			10			11			Fetch
P	T	H	P	T	H	P	T	H	P	T	H	P	T	H	P	
.1	2.5	6.0	3.4	2.3	7.3	3.9	2.0	8.0	4.1	1.9	10.0	4.2	1.8	10.0	5.0	10
.8	4.2	8.6	4.3	3.9	10.6	4.4	3.5	12.0	5.0	3.2	14.0	5.2	3.0	16.0	5.9	20
.2	5.8	10.0	4.6	5.2	12.1	5.0	4.7	15.8	5.5	4.4	18.0	6.0	4.1	19.8	6.3	30
.6	7.1	11.2	4.9	6.5	14.0	5.4	5.8	17.7	5.9	5.4	21.0	6.3	5.1	22.5	6.7	40
.8	8.4	12.2	5.2	7.7	15.7	5.6	6.9	19.8	6.3	6.4	23.0	6.7	6.1	25.0	7.1	50
.1	9.6	13.2	5.5	8.7	17.0	6.0	8.0	21.0	6.5	7.4	25.0	7.0	7.0	27.5	7.5	60
.4	10.5	13.9	5.7	9.9	18.0	6.4	9.0	22.5	6.8	8.3	26.5	7.3	7.8	29.5	7.7	70
.6	12.0	14.5	6.0	11.0	18.9	6.6	10.0	24.0	7.1	9.3	28.0	7.7	8.6	31.5	7.9	80
.8	13.0	15.0	6.3	12.0	20.0	6.7	11.0	25.0	7.2	10.2	30.0	7.9	9.5	34.0	8.2	90
.0	14.0	15.5	6.5	12.8	20.5	6.9	11.9	26.5	7.6	11.0	32.0	8.1	10.3	35.0	8.5	100
.2	15.9	16.0	6.7	14.5	21.5	7.3	13.1	27.5	7.9	12.3	33.5	8.4	11.5	37.5	8.8	120
.4	17.6	16.2	7.0	16.0	22.0	7.6	14.8	29.0	8.3	13.9	35.5	8.8	13.0	40.0	9.2	140
.6	19.5	16.5	7.3	18.0	23.0	8.0	16.4	30.5	8.7	15.1	37.0	9.1	14.5	42.5	9.6	160
.8	21.3	17.0	7.5	19.9	23.5	8.3	18.0	31.5	9.0	16.5	38.5	9.5	16.0	44.5	10.0	180
.1	23.1	17.5	7.7	21.5	23.5	8.5	19.3	32.5	9.2	18.1	40.0	9.8	17.1	46.0	10.3	200
.2	25.0	17.9	8.0	22.9	24.0	8.8	20.9	34.0	9.6	19.1	41.5	10.1	18.2	47.5	10.6	220
.3	26.8	17.9	8.2	24.4	24.5	9.0	22.0	34.5	9.8	20.5	43.0	10.3	19.5	49.0	10.8	240
.5	28.0	18.0	8.4	26.0	25.0	9.2	23.5	34.5	10.0	21.8	44.0	10.6	20.9	50.5	11.1	260
.8	29.5	18.0	8.5	27.7	25.0	9.4	25.0	35.0	35.0	23.0	45.0	10.9	22.0	51.5	11.3	280
.0	31.5	18.0	8.7	29.0	25.0	9.5	26.3	35.0	10.4	24.3	45.0	11.1	23.2	53.0	11.6	300
.2	33.0	18.0	8.9	30.2	25.0	9.6	27.6	35.5	10.6	25.5	45.5	11.2	24.5	54.0	11.8	320
.3	34.2	18.0	9.0	31.6	25.0	9.8	29.0	36.0	10.8	26.7	46.0	11.4	25.5	55.0	12.0	340
.4	35.7	18.1	9.1	33.0	25.0	9.9	30.0	36.5	10.9	27.7	46.5	11.6	26.6	55.0	12.2	360
.5	37.1	18.2	9.3	34.2	25.5	10.0	31.3	37.0	11.1	29.1	47.0	11.8	27.7	55.5	12.4	380
.6	38.8	18.4	9.5	35.6	26.0	10.2	32.5	37.0	11.2	30.2	47.5	12.0	28.9	56.0	12.6	400
.7	40.0	18.7	9.6	36.9	26.5	10.3	33.7	37.5	11.4	31.5	47.5	12.2	29.6	56.5	12.7	420
.8	41.3	18.8	9.7	38.1	27.0	10.4	34.8	37.5	11.5	32.5	48.0	12.3	30.9	57.0	12.9	440
.9	42.8	19.0	9.8	39.5	27.5	10.6	36.0	37.5	11.7	33.5	48.5	12.5	31.8	57.5	13.1	460
.0	44.0	19.0	9.9	41.0	27.5	10.8	37.0	37.5	11.8	34.5	49.0	12.6	32.7	57.5	13.2	480
.1	45.5	19.1	10.1	42.1	27.5	10.9	38.3	38.0	11.9	35.5	49.0	12.7	33.9	58.0	13.4	500
.3	48.5	19.5	10.3	44.9	27.5	11.1	41.0	38.5	12.2	38.2	50.0	13.0	36.5	59.0	13.7	550
.5	51.8	19.7	10.5	47.7	27.5	11.3	43.6	39.0	12.5	40.3	50.0	13.3	38.7	60.0	14.0	600
	55.0	19.8	10.7	50.3	27.5	11.6	46.4	39.5	12.8	43.0	50.0	13.7	41.0	60.0	14.2	650
	58.5	19.8	11.0	53.2	27.5	11.8	49.0	40.0	13.1	45.4	50.5	14.0	43.5	60.5	14.5	700
				56.2	27.5	12.1	51.0	40.0	13.3	48.0	51.0	14.2	45.8	61.0	14.8	750
				59.2	27.5	12.3	53.8	40.0	13.5	50.6	51.5	14.5	47.8	61.5	15.0	800
							56.2	40.0	13.8	52.5	52.0	14.6	50.0	62.0	15.2	850
							58.2	40.0	14.0	54.6	52.0	14.9	52.0	62.5	15.5	900
										57.2	52.0	15.1	54.0	63.0	15.7	950
										59.3	52.0	15.3	56.3	63.0	16.0	1000

(H.O. Pub. No. 603, 1955)

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TABLE 8.--Deep-ocean Surface Waves

Classification	Period	Usual Generating Force	Comments
Capillary waves	less than 0.1 sec	Wind (or non-linear actions of steep gravity waves)	Surface tension is restoring force
Ultra-gravity waves	from 0.1 sec to 1 sec	Wind (or non-linear actions of steep gravity waves)	Combination of surface tension and gravity restoring force
Ordinary gravity waves	from 1 sec to 30 sec	Wind (most often generates 5 to 15 sec period waves)	Usual type experienced on ocean surface
Infra-gravity waves	from 30 sec to 5 min	Meteorological factors	Can cause dangerous oscillation in offshore installations
Long-period waves	from 5 min to 12 hrs	Storms and earthquakes	
Ordinary tide waves	from 12 hrs to 24 hrs	Sun and moon	
Trans-tidal waves	24 hrs and up (see Figure 1)	Meteorologic factors Sun and moon	May contain solar and lunar tidal components or even seasonal water level variations

(Munk, 1951)

TABLE 4.—Extinction Values for Various Types of Water

Wavelength (Angstroms)	Pure water	Filtered coastal water	Open ocean water	Coastal water, moderately turbid
8000	0.885	0.84	0.865	1.01
7600	1.11	1.10	1.13	1.25
7000	0.215	0.22	0.265	0.40
6300	0.10	0.095	0.14	0.31
5800	0.05	0.05	0.07	0.32
5500	0.03	0.025	0.045	0.32
5000	0.015	0.014	0.04	0.33
4700	0.007	0.012	0.04	0.35
4000	0.016	0.045	0.055	0.50
3600	0.02	0.08	0.065	0.65

(Clark and James, 1939)

TABLE 5.—Energy Distribution in the Spectrum of Sunlight after Passing through Water Layers of Different Thickness

Wave-length (μ)	Thickness of the water layer								
	0	0.01 mm	0.1 mm	1 mm	1 cm	10 cm	1 m	10 m	100 m
0.2-0.6	237	237	237	237	237	235	229	172	14
0.6-0.9	360	360	360	359	353	305	129	9	--
0.9-1.2	179	179	178	172	123	8	--	--	--
1.2-1.5	87	86	82	63	17	--	--	--	--
1.5-1.8	80	78	64	27	--	--	--	--	--
1.8-2.1	25	23	11	--	--	--	--	--	--
2.1-2.4	25	24	19	1	--	--	--	--	--
2.4-2.7	7	6	2	--	--	--	--	--	--
2.7-3.0	0.4	0.2	--	--	--	--	--	--	--
Total	1000.0	993.7	952.1	859.4	730.2	549.3	358.1	181.5	13.9

(Total sun's incident energy on sea surface is taken as 1000)

(Defant, 1961)

TABLE 6.—Saturation Values of Oxygen in Sea Water (ml/L)* from Normal Dry Atmosphere

Temperature (°C) \ Chlorinity (‰) / Salinity (‰)	15 / 27.11	16 / 28.91	17 / 30.72	18 / 32.52	19 / 34.33	20 / 36.11
-2	9.01	8.89	8.76	8.64	8.52	8.39
0	8.55	8.43	8.32	8.20	8.08	7.97
5	7.56	7.46	7.36	7.26	7.16	7.07
10	6.77	6.69	6.60	6.52	6.44	6.35
15	6.14	6.07	6.00	5.93	5.86	5.79
20	5.63	5.56	5.50	5.44	5.38	5.31
25	5.17	5.12	5.06	5.00	4.95	4.86
30	4.74	4.68	4.63	4.58	4.52	4.46

*mg-atoms of oxygen per liter=0.08931 × ml/L.

(Fox, 1907)

TABLE 7.—Enrichment Factors of Some Chemical Elements in Marine Organisms over Sea Water
Dry weights of organisms were used.

Element	Enrichment factor
Ti	>10,000
V	>280,000
Cr	1,400
Mo	6,000
Mn	41,000
Fe	86,000
Co	21,000
Ni	41,000
Cu	7,500
Ag	22,000
Au	1,400
Zn	32,500
Cd	>4,500
Ga	800
Tl	>700
Ge	>7,600
Sn	2,700
Pb	2,600
As	3,300
Sb	>300
Bi	1,000

(Goldberg, 1960)

TABLE 8.—Chemical Abundances in the Marine Hydrosphere

	mg/l	atoms/10^6 atoms Cl		mg/l	atoms/10^6 atoms Cl
H	108,000.	202,000,000.	Ag	0.003	0.005
He	0.00001	.0004	Cd	0.000055	0.0009
Li	0.2	50.	In	< 0.02	< 0.3
Be			Sn	0.003	0.05
B	4.8	830.	Sb	< 0.0005	< 0.008
C	28.	4,300.	Te		
N	0.5	70.	I	0.05	0.7
O	857,000.	100,000,000.	Xe	0.0001	0.001
F	1.3	130.	Cs	0.001	0.01
Ne	0.0003	0.03	Ba	< 0.09	< 1.2
Na	10,500.	850,000.	La	0.0003	0.004
Mg	1,300.	100,000.	Ce	0.0004	0.005
Al	0.01	0.7	Pr		
Si	3.	200.	Nd		
P	0.07	4.	Pm		
S	900.	52,000.	Sm		
Cl	19,000.	1,000,000.	Eu		
A	0.6	28.5	Gd		
K	380.	18,000.	Tb		
Ca	400.	19,000.	Dy		
Sc	0.00004	0.002	Ho		
Ti	0.001	0.04	Er		
V	0.001	0.04	Tm		
Cr	0.00005	0.002	Yb		
Mn	0.002	0.07	Lu		
Fe	0.01	0.3	Hf		
Co	0.0005	0.02	Ta		
Ni	0.0005	0.02	W	0.0001	0.001
Cu	0.003	0.09	Re		
Zn	0.1	0.3	Os		
Ga	0.0005	0.01	Ir		
Ge	< 0.0001	< 0.003	Pt		
As	0.003	0.07	Au	0.000004	0.00004
Se	0.004	0.1	Hg	0.00003	0.0003
Br	65.	1,500.	Tl	< 0.00001	< 0.00009
Kr	0.0003	0.007	Pb	0.003	0.03
Rb	0.3	7.	Bi	0.0002	0.002
Sr	10.	200.	Po		
Y	0.0003	0.006	At		
Zr			Rn	9.0×10^{-15}	8.0×10^{-14}
Nb			Fr		
Mo	0.01	0.02	Ra	3.0×10^{-11}	2.0×10^{-10}
Tc			Ac		
Ru			Th	0.0007	0.006
Rh			Pa		
Pd			U	0.002	0.02

(Goldberg, 1956)

TABLE 9.—Natural Radioactivity of Sea Water

Nuclide	Half Life	Concentration (gm/cm^3)	Specific Activity (number of disintegrations/cm^3/sec)	Energy of γ-radiation (Mev)
K^{40}	1.3×10^{9} yrs.	4.5×10^{-8}	1.2×10^{-2}	1.5 ‡
Rb^{87}	1.4×10^{10} yrs.	8.4×10^{-8}	2.2×10^{-4}	No γ
U^{238}	4.5×10^{9} yrs.	2.0×10^{-9}	1×10^{-4}*	.05-.82
U^{235}	7.13×10^{8} yrs.	1.5×10^{-11}	3×10^{-6}*	.06-.18
Th^{232}	1.4×10^{10} yrs.	10^{-11}	2×10^{-7}*	.03-.08
Ra^{226}	1.62×10^{3} yrs.	3.0×10^{-16}	3×10^{-5}*	.18-.60
C^{14}	5770 yrs.	4×10^{-17}	7×10^{-6}	No γ
H^{3} †	12.26 yrs.	8×10^{-20}	2.5×10^{-5}	No γ

* Activity of nuclide and daughter products (Revelle, R. 1960)

† Only in top 50-100 meters of ocean

‡ $\gamma/\beta = 0.1$

TABLE 10.—Physical Composition of Pelagic Sediments and Texture of Mineral Particles

C=CHALLENGER, Murray and Renard, 1891; M=Murray and Chumley, 1924; V=VALDIVIA, Murray and Philippi 1908

Physical composition		Red clay (%) (C)	Red clay (%) (M)	Radiolarian ooze (%) (C)	Diatom ooze (%) (C)	Diatom ooze (%) (V)	Globigerina ooze (%) (C)	Globigerina ooze (%) (M)	Pteropod ooze (%) (M)
$CaCO_3$	Maximum	28.8	29.0	20.0	36.3	24.0	96.8	97.2	98.5
	Minimum	0	0	tr	2.0	0	80.2	30.0	44.8
	Average	6.7	10.4	4.0	23.0	2.7	64.5	64.7	73.9
Planktonic foraminifera	Maximum		27.0			predominant part of $CaCO_3$	80.0	95.0	75.0
	Minimum		0				25.0	15.0	15.0
	Average	4.77	8.8	3.1	3.1		53.1	58.9	34.7
Benthic foraminifera	Maximum		3.0					10.0	10.0
	Minimum		0			present		0	tr
	Average	0.6	[illegible]	.1	1.6		2.1	2.1	[illegible]
Other calcareous remains	Maximum		6.3				31.8	26.0	57.0
	Minimum		0			present	1.2	tr	15.8
	Average	1.3	1.0	.8	5.2		9.2	3.7	35.5
Siliceous remains	Maximum		5.0	80.0	60.0	90.0	10.0	15.0[a]	20.0
	Minimum		0	30.0	20.0	40.0	4.0	tr	tr
	Average	2.4	0.7	54.4	41.0	73.1	1.6	1.7	1.9
Texture of mineral particles									
>.05 mm, diameter	Maximum	20.0	60.0[b]	5.0	25.0	40.0	50.0[b]	50.0[b]	20.0
	Minimum	1.0	tr	1.0	3.0	1.0	[illegible]	tr	tr
	Average	5.6	2.4	1.7	15.6	8.4	5.3	5.1	4.7
<.05 mm, diameter	Maximum		100.0	67.0[c]	27.9[c]	34.0	[illegible]	59.3	41.8
	Minimum		31.0	17.0[c]	12.5[c]	9.0	1.2	1.2	tr
	Average	85.4	[illegible]	39.9[c]	20.4[c]	15.8	30.5	28.5	19.5
Number of samples averaged		70	126	9	5	[illegible]	118	772	40

(Revelle, R., [illegible])

[a] Only in two exceptional cases; the usual maximum is not more than 5 per cent.
[b] Only in one exceptional case.
[c] Includes finely divided remains of siliceous organisms.

TABLE 11.—Freezing Point of Sea Water for Values of Salinity

Salinity, ‰	Freezing point, °C.	Salinity, ‰	Freezing point, °C.	Salinity, ‰	Freezing point, °C.
1	-0.052	14	-0.750	27	-1.461
2	-0.105	15	-0.804	28	-1.516
3	-0.159	16	-0.858	29	-1.572
4	-0.212	17	-0.912	30	-1.628
5	-0.266	18	-0.967	31	-1.684
6	-0.320	19	-1.021	32	-1.740
7	-0.373	20	-1.076	33	-1.796
8	-0.427	21	-1.130	34	-1.853
9	-0.481	22	-1.185	35	-1.909
10	-0.534	23	-1.240	36	-1.966
11	-0.588	24	-1.295	37	-2.023
12	-0.642	25	-1.350	38	-2.080
13	-0.696	26	-1.405	39	-2.138

(Thompson, 1932)

TABLE 12.—Ratio of the Draft of Ice Having Vertical Walls to the Height of Ice above Water

Density of Ice / Density of Water	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95
1.00	1.5	1.9	2.3	3.0	4.0	5.7	9.0	19.0
1.01	1.5	1.8	2.3	2.9	3.8	5.3	8.2	15.2
1.02	1.4	1.8	2.2	2.8	3.6	5.0	7.5	13.6
1.03	1.4	1.7	2.1	2.7	3.5	4.7	7.0	11.9

(Zubov, 1957)

TABLE 13.—Animal Forms in Ocean

Division	System or Province	Zone	Ecological Groups	Plant and Animal Forms
Benthic	Littoral	Littoral Sublittoral	Benthos (sea floor animals)	1. Sessile - (immobile) (Sponges, mussels, oysters, crinoids, corals, hydroids, bryozoans, barnacles) Tube worms Seaweeds and sea grasses Diatoms
	Deep-Sea	Bathyal Abyssal Hadal		2. Creeping forms - (crabs, lobsters, copepods, amphipods) Crustaceans Protozoans Snails Bivalves 3. Burrowing forms - (clams, worms) Crustaceans Echinoderms
Pelagic	Neritic Oceanic	Epipelagic Mesopelagic	Nekton (swimming animals)	Squids Fishes Whales
			Plankton (floating animals or floating plants)	Floating and Drifting Life 1. Zooplankton - feebly swimming or floating animals 2. Phytoplankton - microscopic floating plants

(U.S.N. Civil Engineering Laboratory)

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Figure 1

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Figure 2

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Figure 4

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Figure 5

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Figure 6

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SECTION III

Data on Oceans Related to Geography

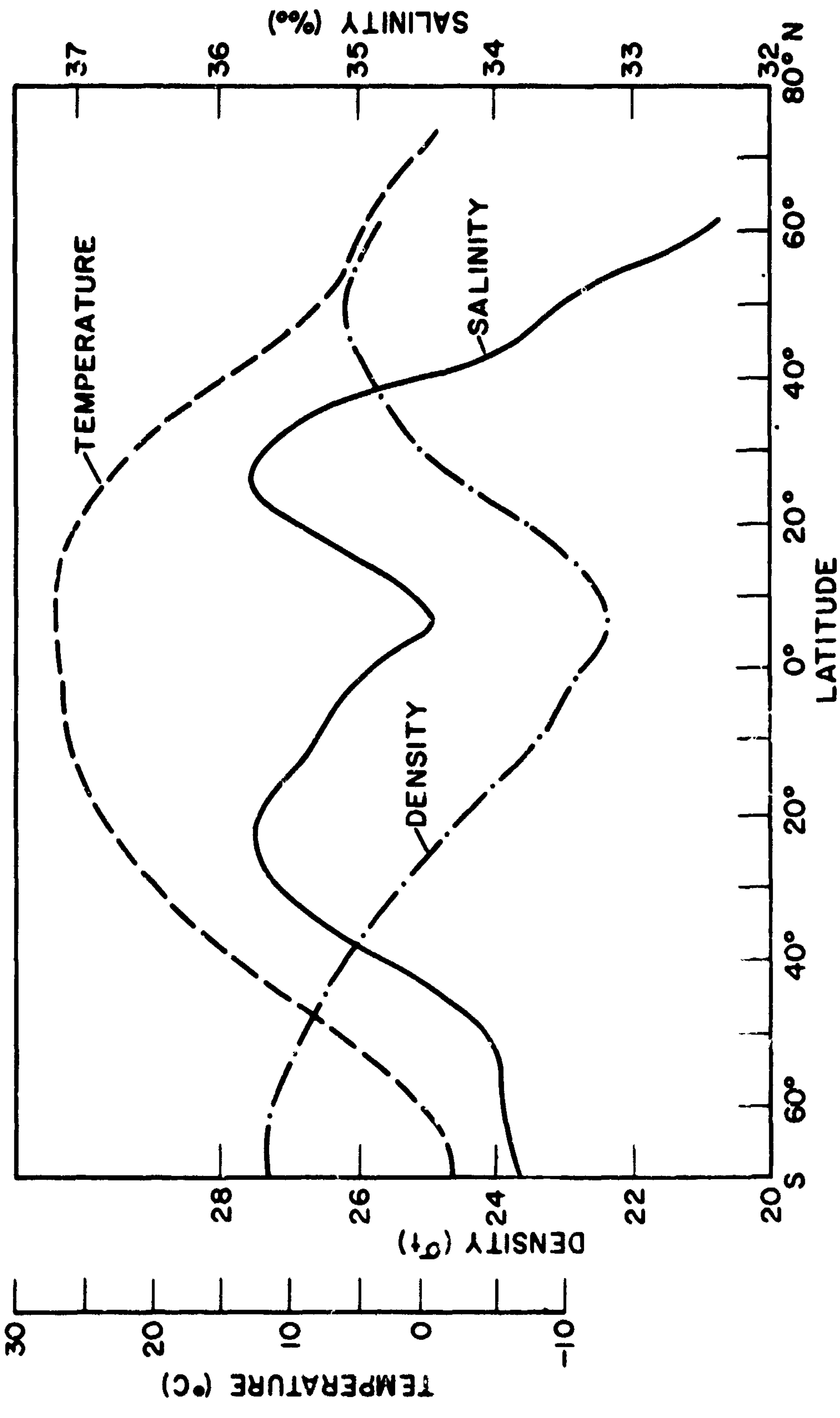


FIGURE [illegible].—Average Surface Temperature, Salinity, and Density Variation with Latitude for all Oceans

(Pickard, 1964)

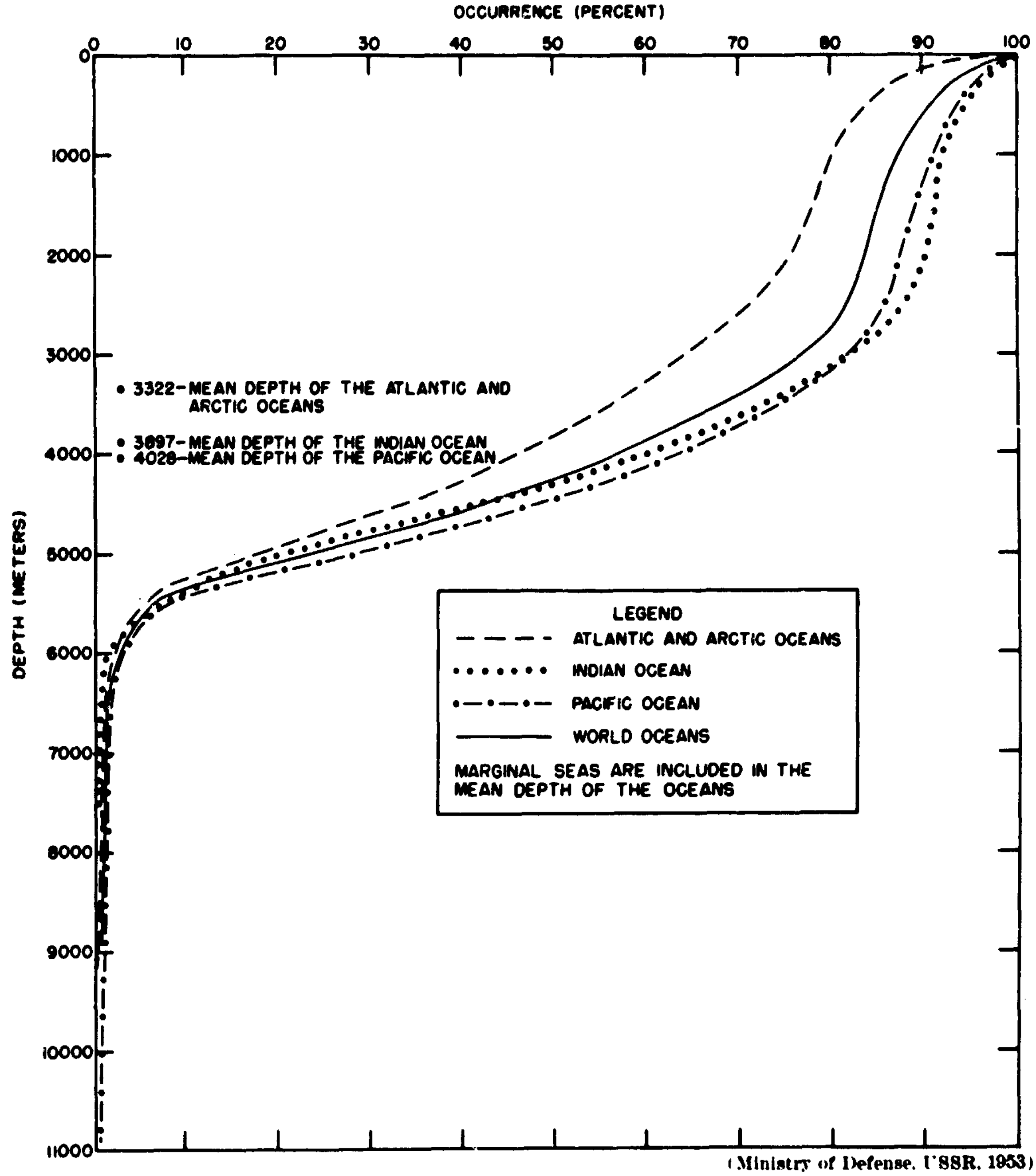
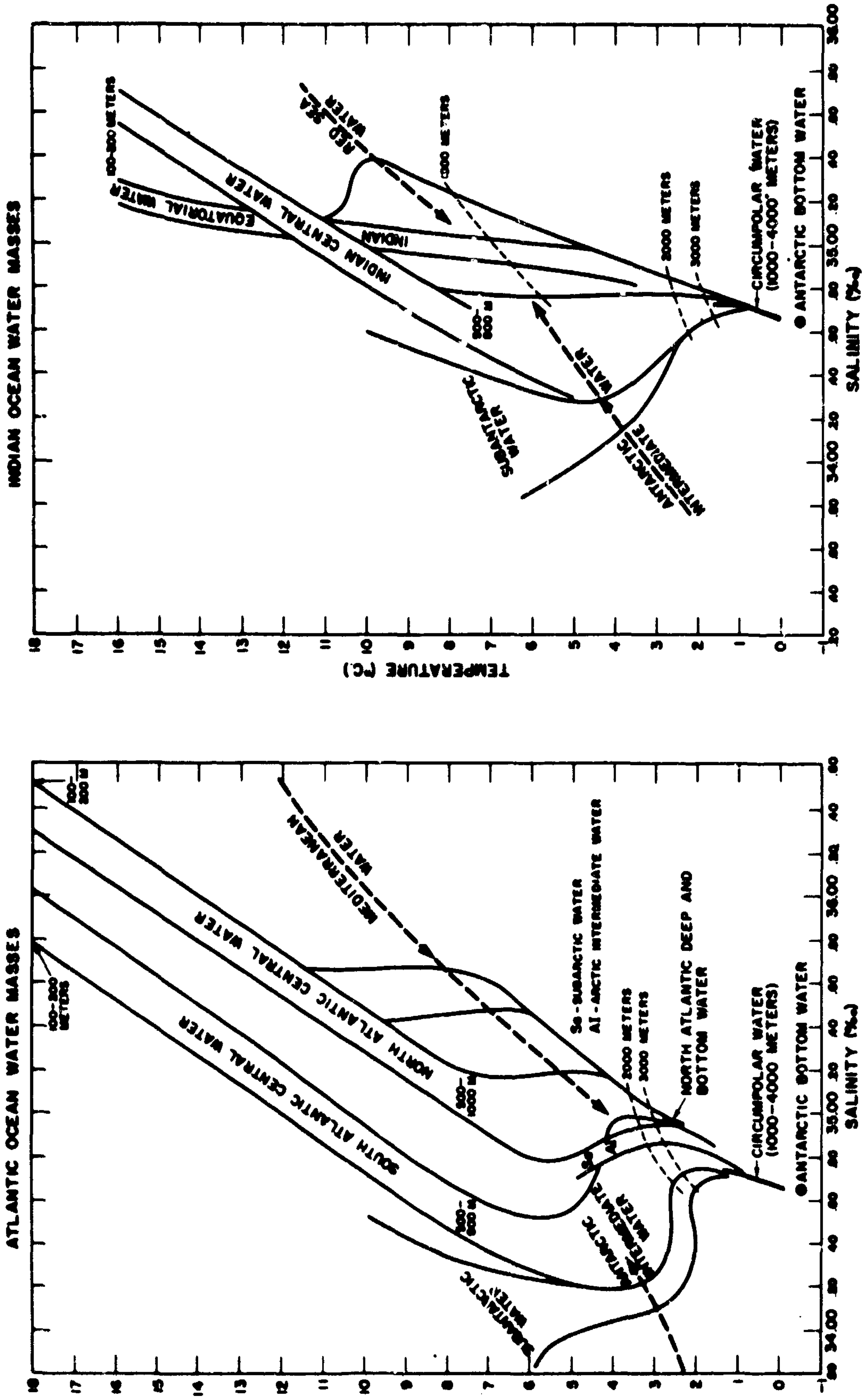


FIGURE 2.—Bathygraphic Curves of Oceans



(Sverdrup, Johnson, and Fleming, 1942)

FIGURE 3.—Temperature-Salinity Relations of Principal Water Masses of Oceans

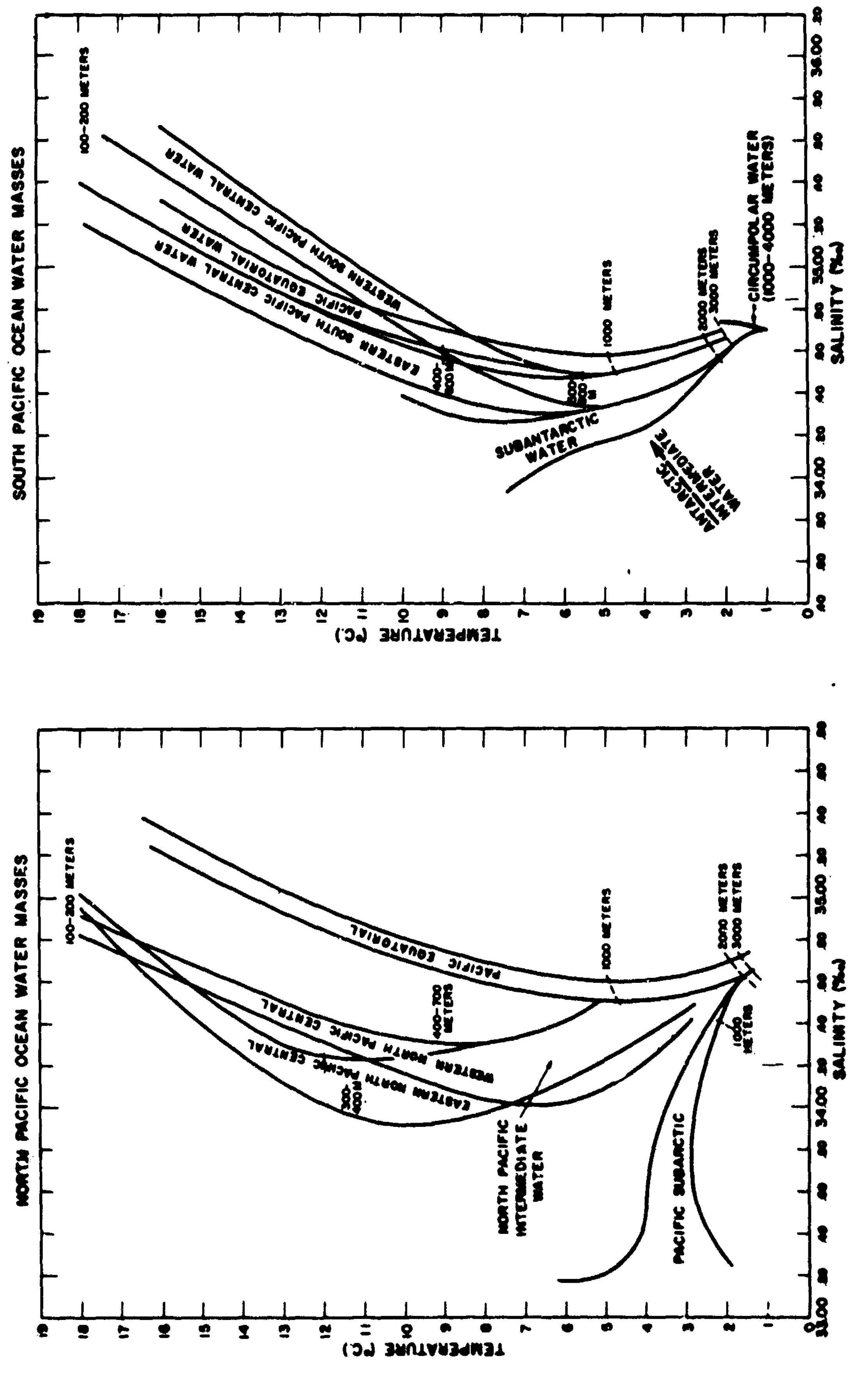


FIGURE 8.—Temperature-Salinity Relations of Principal Water Masses of Oceans—Continued

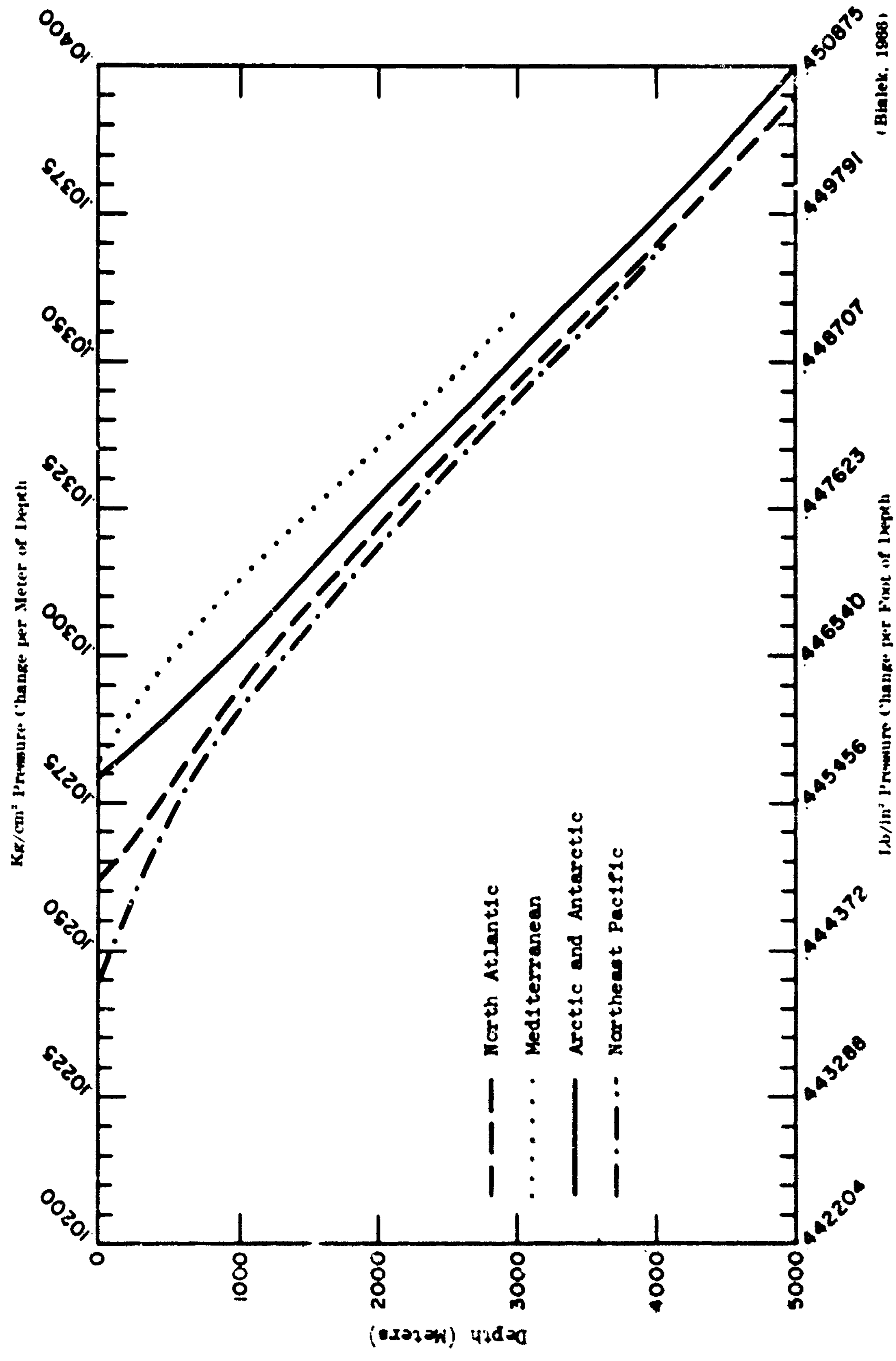


FIGURE 4. Pressure Changes with Depth (Based on Mean Density Values in Table 10)

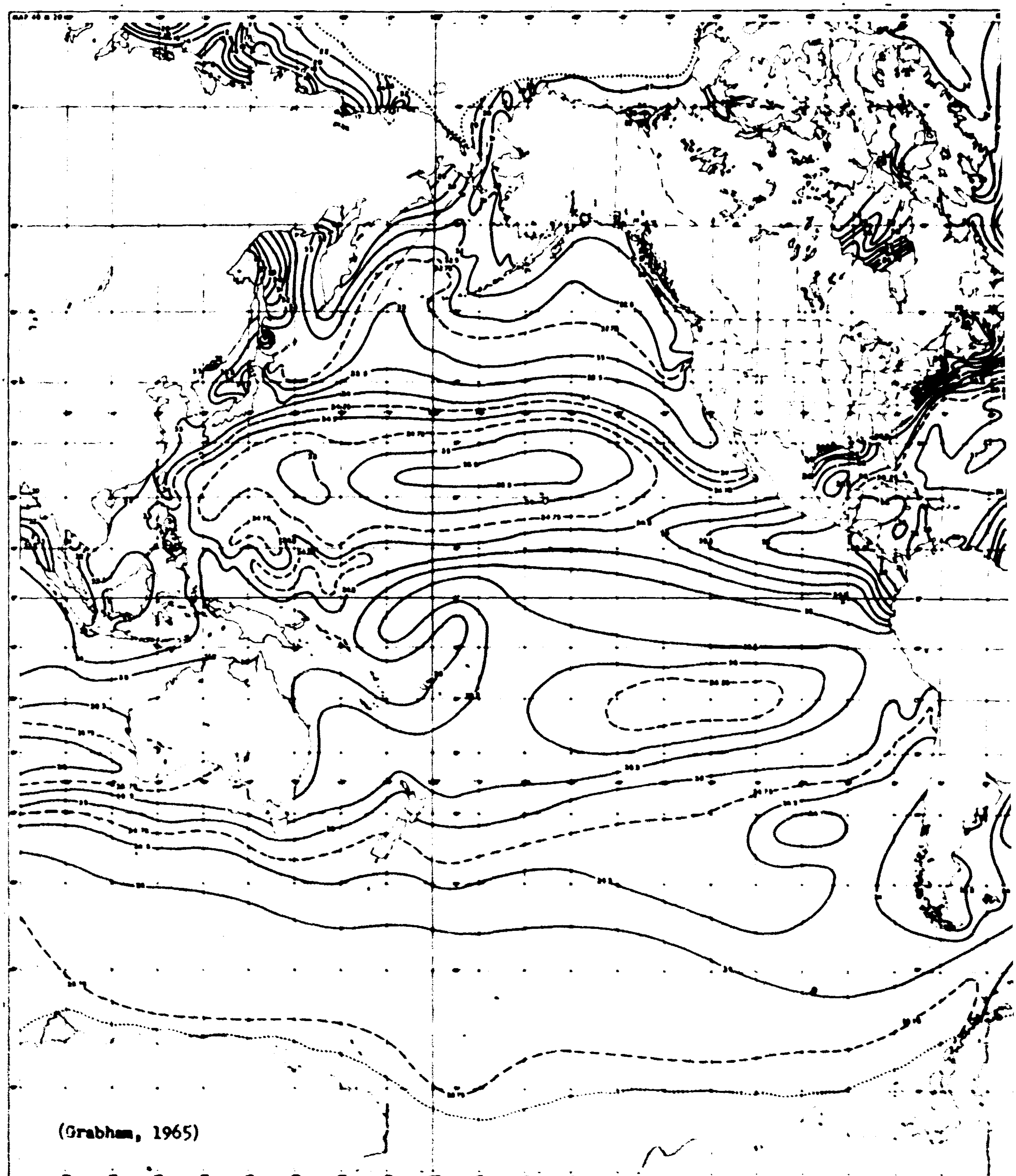
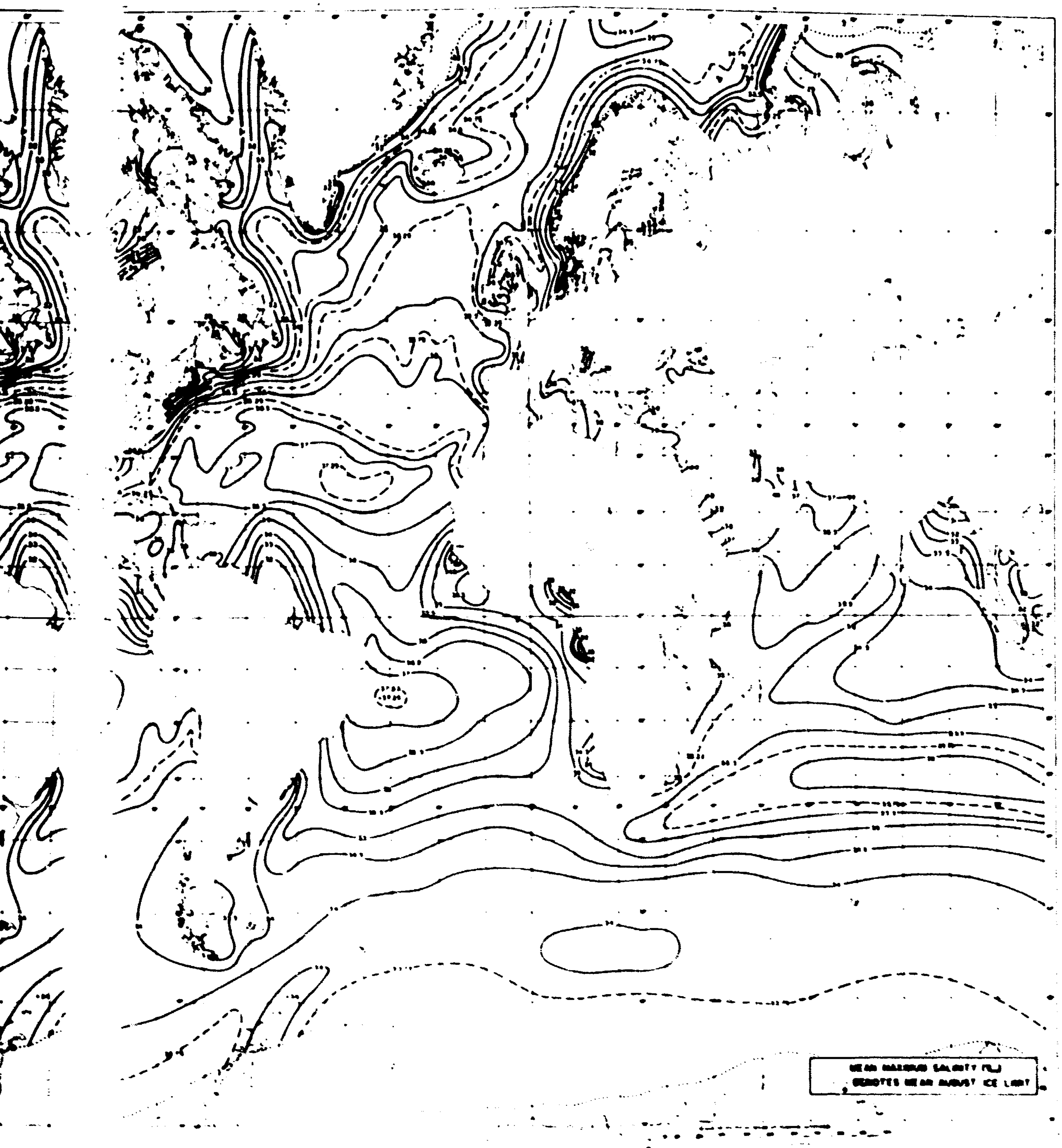
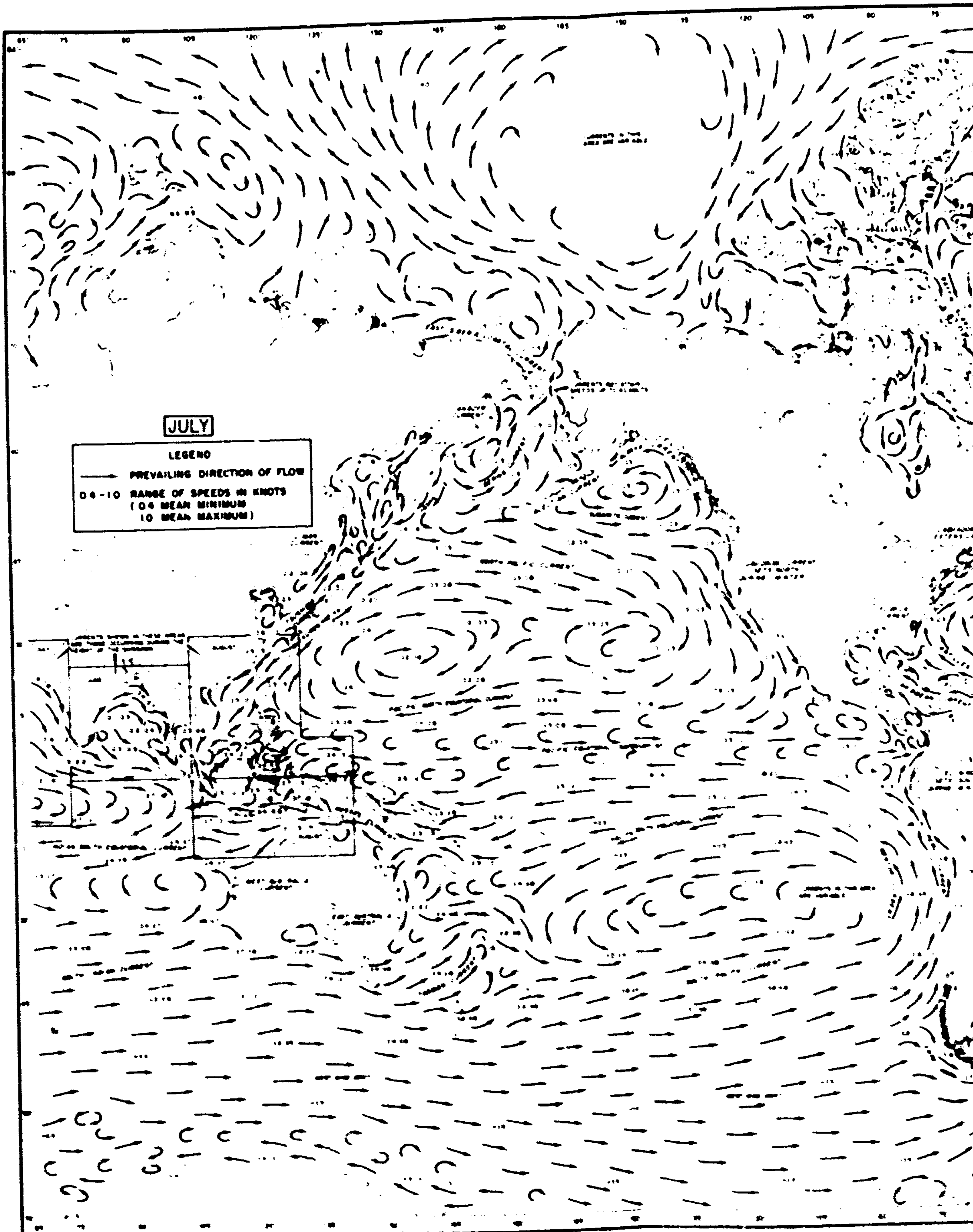
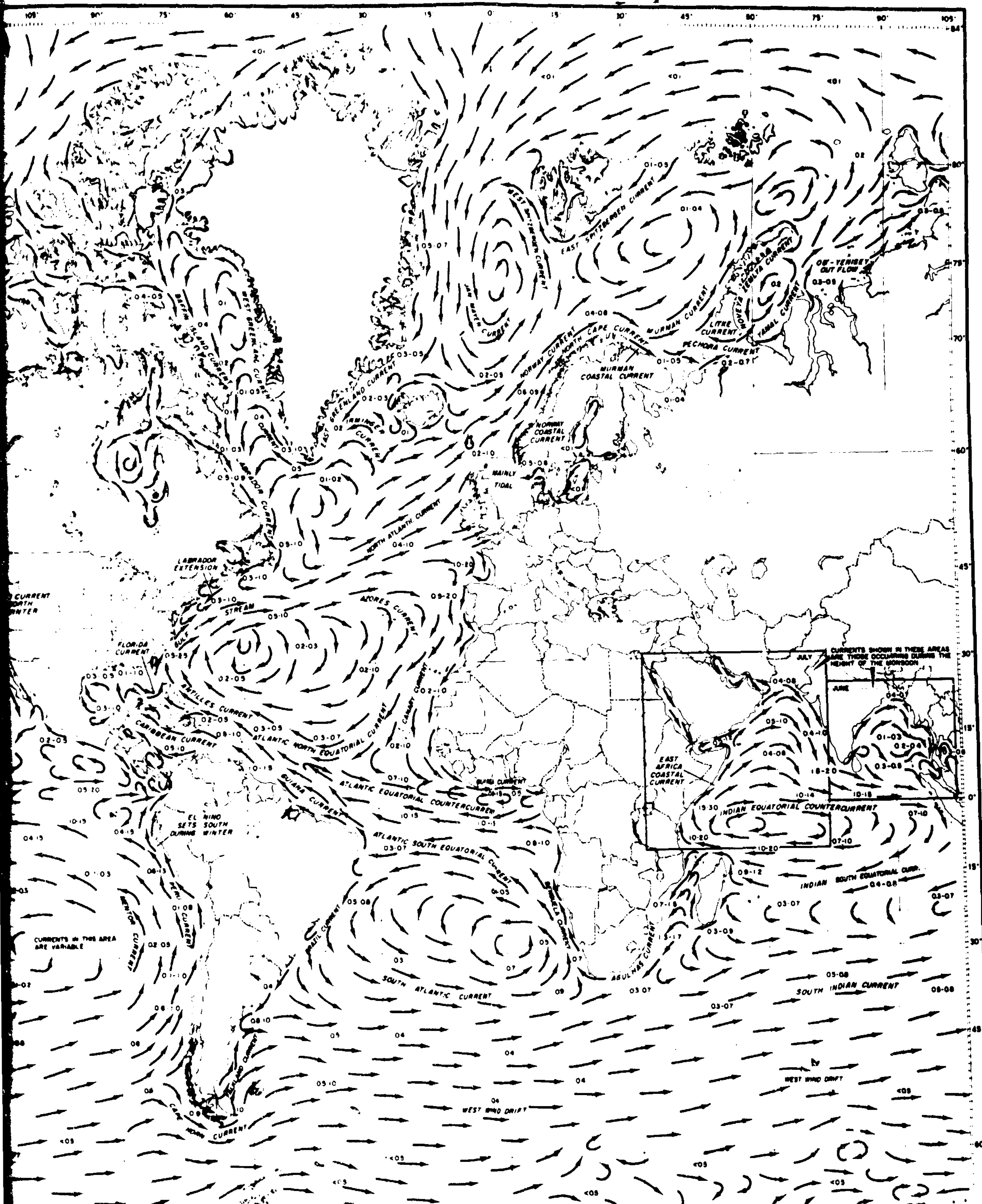


Figure 5. Mean Annual Maximum Salinity


MEAN MAXIMUM SALINITY (‰)
DENOTES MEAN AUGUST ICE LIMIT


JULY
LEGEND
PREVAILING DIRECTION OF FLOW
04-10 RANGE OF SPEEDS IN KNOTS
(04 MEAN MINIMUM
10 MEAN MAXIMUM)



urface Currents of Oceans in July

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66 (Face p. 46) No. 2

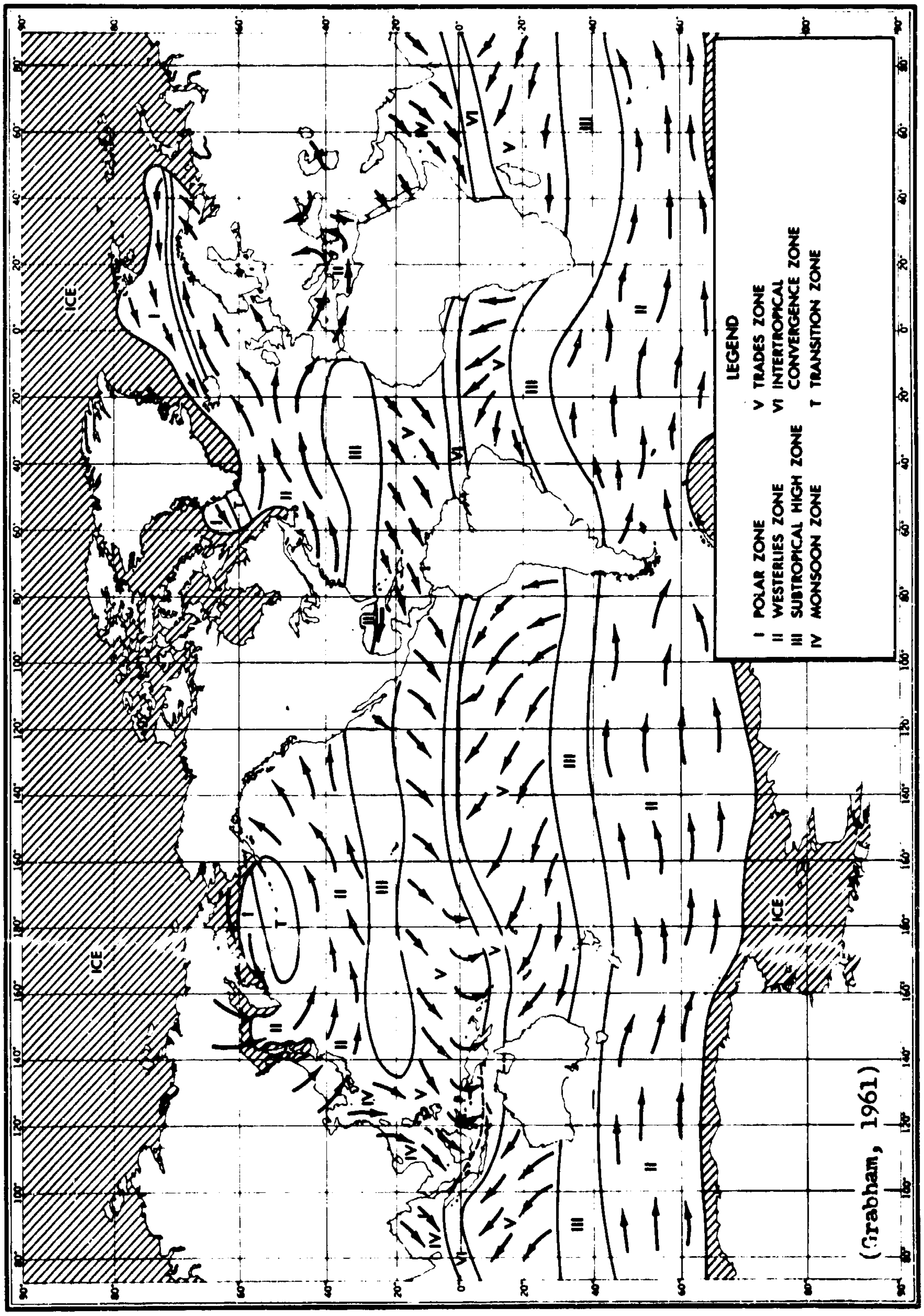


FIGURE 7.—World Map of Wind Regimes—February (Northern Hemisphere Winter, Southern Hemisphere Summer)

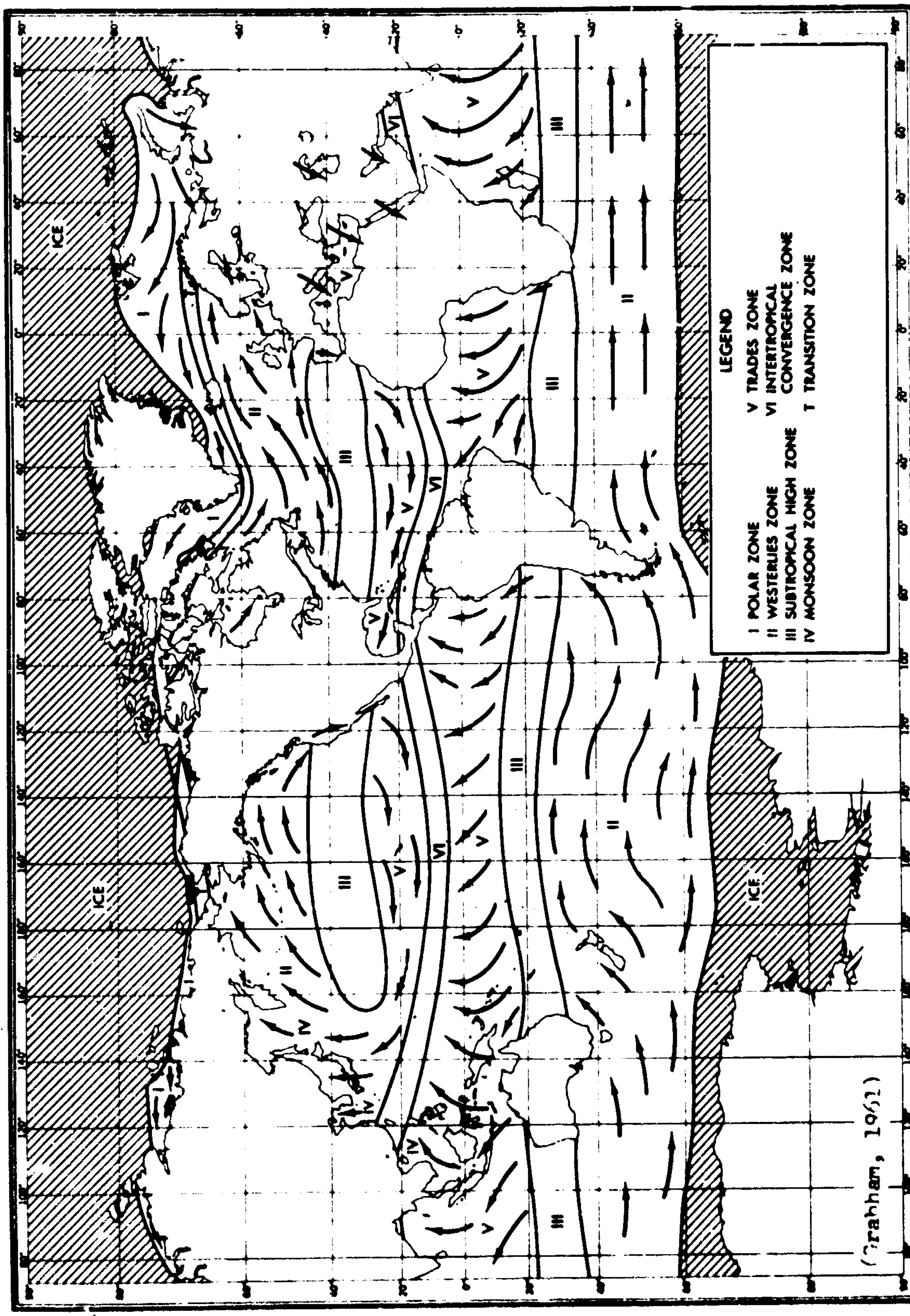
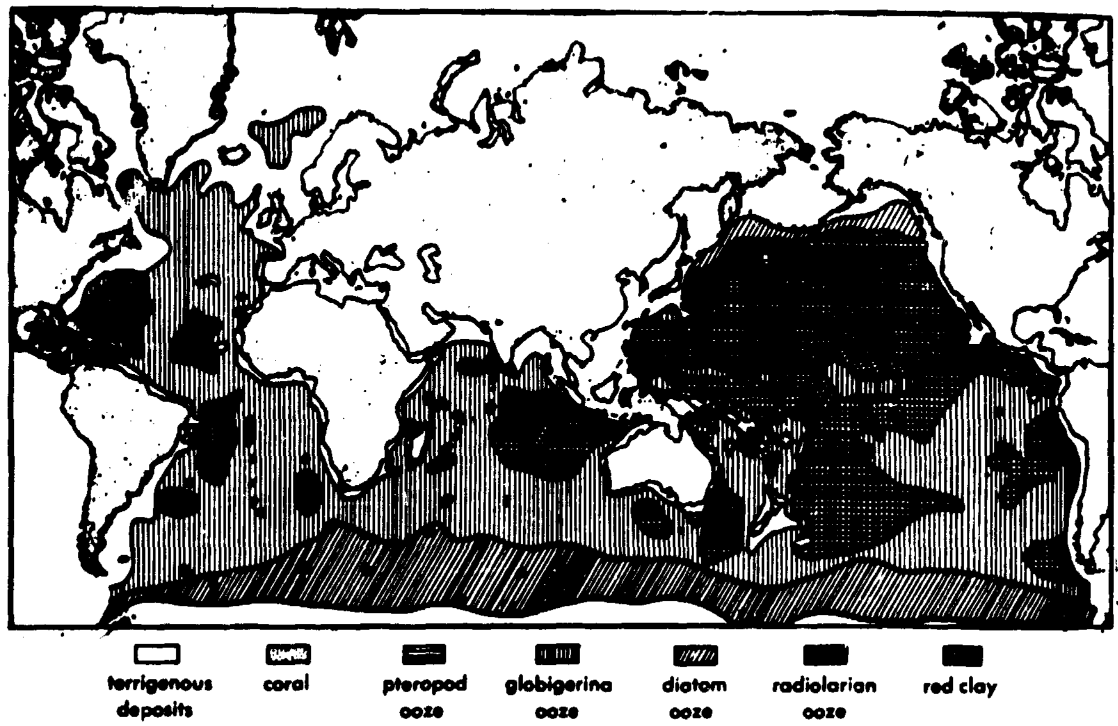


FIGURE 8.—World Map of Wind Regimes—August (Northern Hemisphere Summer, Southern Hemisphere Winter)



(Heezen, 1964)

FIGURE 9.—Distribution of the Major Types of Deep-Sea Sediments (see Table 14)

Table 1

Dimensions of the Oceans

Ocean	Area ($10^9 m^2$)	Mean Depth (meters)	Volume ($10^{15} m^3$)	Maximum Depth (meters)
Arctic	14,090	1205	17.0	(a) 4,880 (4280 at North Pole)
North Pacific	83,462	3858	322.0	(b) 11,500
South Pacific	65,521	3891	254.9	(c) 10,850
North Atlantic	46,772	3285	153.6	(d) 9,200
South Atlantic	37,364	4091	152.8	(e) 8,260
Indian	81,602	4284	349.6	(f) 7,450
Antarctic	32,249	3730	120.3	(g) ---

(a) Estimated by U. S. Navy, 1958 (Hydrographic Office Publication No. 9)
(b) Marianas Trench (U. S. Navy's TRIESTE, January 1960)
(c) Tonga, South Pacific (McGraw Hill Encyclopedia, 1962 Year Book)
(d) Puerto Rican Trench, Western Atlantic (McGraw Hill Encyclopedia, 1962 Year Book)
(e) South Sandwich Islands Trench (McGraw Hill Encyclopedia, 1962 Year Book)
(f) Java Trench, South of Java (McGraw Hill Encyclopedia, 1962 Year Book)
(g) Not yet determined

(Lyman, 1960)

TABLE 2

Dimensions of Individual Seas

Sea	Area (10^9 m^2)	Mean Depth (meters)	Volume (10^{12} m^3)
Tributary to Arctic Ocean			
Norwegian Sea	1383	1742	2408
Greenland Sea	1205	1444	1740
Barents Sea	1405	229	322
White Sea	90	89	8
Kara Sea	883	118	104
Laptev Sea	650	519	338
East Siberian Sea	901	58	53
Chukchi Sea	582	88	51
Beaufort Sea	476	1004	478
Baffin Bay	689	861	593
Tributary to North Atlantic			
North Sea	600	91	55
Baltic Sea	386	86	33
Mediterranean Sea	2516	1494	3758
Black Sea	461	1166	537
Caribbean Sea	2754	2491	6860
Gulf of Mexico	1543	1512	2332
Gulf of St. Lawrence	238	127	30
Hudson Bay	1232	128	158
Tributary to South Atlantic			
Gulf of Guinea	1533	2996	4592
Tributary to Indian Ocean			
Red Sea	450	558	251
Persian Gulf	241	40	10
Arabian Sea	3863	2734	10561
Bay of Bengal	2172	2586	5616
Andaman Sea	602	1096	660
Great Australian Bight	484	950	459
Tributary to North Pacific			
Gulf of California	177	818	145
Gulf of Alaska	1327	2431	3226
Bering Sea	2304	1598	3683
Okhotsk Sea	1590	859	1365
Japan Sea	978	1752	1713
Yellow Sea	417	40	17
East China Sea	752	349	263
Sulu Sea	420	1139	478
Celebes Sea	472	3291	1553
In both North and South Pacific			
South China Sea	3685	1060	3907
Makassar Strait	194	967	188
Molukka Sea	307	1880	578
Ceram Sea	187	1209	227
Tributary to South Pacific			
Java Sea	433	46	20
Bali Sea	119	411	49
Flores Sea	121	1829	222
Savu Sea	105	1701	178
Banda Sea	695	3064	2129
Ceram Sea	187	1209	227
Timor Sea	615	406	250
Arafura Sea	1037	197	204
Coral Sea	4791	2394	11470

(Lyman, 1960)

TABLE 3.—Water Masses of the World Oceans

Water Masses of the Atlantic Ocean

	North Atlantic	Temp. (°C)	Salinity (‰)		South Atlantic	Temp. (°C)	Salinity (‰)
1.	North Polar water	-1 to +2	34.9	1.	South Atlantic central water	+5 to +16	34.3 to 35.6
2.	Subarctic water	+3 to +5	34.7 to 34.9	2.	Antarctic intermediate water	+3 to +5	34.1 to 34.6
3.	North Atlantic central water	+4 to +17	35.1 to 36.2	3.	Subantarctic water	+3 to +9	33.8 to 34.5
4.	North Atlantic deep water	+3 to +4	34.9 to 35.0	4.	Antarctic circumpolar water	+0.5 to +2.5	34.7 to 34.8
5.	North Atlantic bottom water	+1 to +3	34.8 to 34.9	5.	South Atlantic deep and bottom water	0 to +2	34.5 to 34.9
6.	Mediterranean water	+6 to +10	35.3 to 36.4	6.	Antarctic bottom water	-0.4	34 to 36

Water Masses of the Indian Ocean

		Temp. (°C)	Salinity (‰)
1.	Equatorial water	4 to 16	34.8 to 35.2
2.	Indian central water	6 to 15	34.5 to 35.4
3.	Antarctic intermediate water	2 to 6	34.4 to 34.7
4.	Subantarctic water	2 to 8	34.1 to 34.6
5.	Indian Ocean deep and antarctic circumpolar water	0.5 to 2	34.7 to 34.75
6.	Red Sea water	9	35.5

Water Masses of the Pacific Ocean

	North Pacific	Temp. (°C)	Salinity (‰)		South Pacific	Temp. (°C)	Salinity (‰)
1.	Subarctic water	2 to 10	33.5 to 34.4	1.	Eastern South Pacific water	9 to 16	34.3 to 35.1
2.	Pacific equatorial water	6 to 16	34.5 to 35.2	2.	Western South Pacific water	7 to 16	34.5 to 35.5
3.	Eastern North Pacific water	10 to 16	34.0 to 34.6	3.	Antarctic intermediate water	4 to 7	34.3 to 34.5
4.	Western North Pacific water	7 to 16	34.1 to 34.6	4.	Subantarctic water	3 to 7	34.1 to 34.6
5.	Arctic intermediate water	6 to 10	34.0 to 34.1	5.	Pacific deep water and Antarctic circumpolar water	(-1) to 3	34.6 to 34.7
6.	Pacific deep water and Arctic circumpolar water	(-1) to 3	34.6 to 34.7				

(Defant, 1961)

TABLE 4.—Mean Annual Sea Surface Temperature (°C) for 10° Zones

	Northern Hemisphere				Southern Hemisphere			
Latitude	Atlantic	Indian	Pacific	Mean for all oceans	Atlantic	Indian	Pacific	Mean for all oceans
0-10°	26.6	27.9	27.2	27.3	25.2	27.4	26.0	26.4
10-20°	25.8	27.2	26.4	26.5	23.1	25.9	25.9	25.1
20-30°	24.1	26.1	23.4	23.7	21.1	22.5	21.5	21.7
30-40°	20.4	-	18.6	18.4	16.8	17.0	17.0	17.0
40-50°	13.4	-	10.0	11.0	8.6	8.7	11.2	9.8
50-60°	8.7	-	5.7	6.1	1.8	1.6	5.0	3.0
60-70°	5.6	-	-	3.1	-1.3	-1.5	-1.3	-1.4
70-80°	-	-	-	-1.0	-1.7	-1.7	-1.7	-1.7
80-90°	-	-	-	-1.7	-	-	-	-
	0-90°				0-80°			
	20.1	27.5	22.2	19.2	14.1	15.2	16.8	16.0

(Defant, 1961)

TABLE 5.—Annual Surface Temperature (°C) Variations*

Latitude	Equator	10°	20°	30°	40°	50°
Oceans	2.3	2.4	3.6	5.9	7.5	5.6
Continents	1.3	3.3	7.2	10.2	14.0	24.4

*N Hemisphere

(Defant, 1961)

TABLE 6 Surface Water Temperature Distribution of the World

February

Surface Temperatures (°F.)	Northern Hemisphere	Southern Hemisphere	Total World	Percentages
30 - 35	638.82	628.31	1267.13	12.0 %
35 - 40	187.87	520.57	708.44	6.5 %
40 - 45	157.60	264.08	421.68	4.0 %
45 - 50	175.89	307.82	483.71	4.5 %
50 - 55	166.10	268.14	434.24	4.0 %
55 - 60	260.17	274.75	534.92	5.0 %
60 - 65	298.34	315.67	614.01	5.5 %
65 - 70	336.23	496.82	833.05	8.0 %
70 - 75	464.98	582.23	1047.21	10.0 %
75 - 80	857.37	1056.00	1913.37	17.5 %
80 - 85	976.62	1489.49	2466.11	23.0 %
85 - 90	0	0	0	0.0 %
Totals	4519.99	6203.88	10723.87	100.0 %

(x 10^4 = square nautical miles)
Averaged area of water surfaces = 107,091,000 sq. nautical miles.

August

Surface Temperatures (°F.)	Northern Hemisphere	Southern Hemisphere	Total World	Percentages
30 - 35	326.30	1076.50	1402.80	13.0 %
35 - 40	37.41	312.86	350.27	3.5 %
40 - 45	59.27	284.65	343.92	3.0 %
45 - 50	158.25	351.25	509.50	5.0 %
50 - 55	222.91	486.21	709.12	6.5 %
55 - 60	159.85	473.80	633.65	6.0 %
60 - 65	161.84	513.24	675.08	6.5 %
65 - 70	184.53	564.40	748.93	7.0 %
70 - 75	388.65	722.76	1111.41	10.5 %
75 - 80	947.08	821.28	1768.36	16.5 %
80 - 85	1875.98	547.06	2423.04	22.5 %
85 - 90	18.28	0	18.28	0.2 %
Totals	4540.35	6154.01	10,694.36	100.2 %

(x 10^4 = square nautical miles)
Averaged area of water surfaces = 107,091,000 sq. nautical miles.
Areal error = 2%
Note: Areas planimetered from H. O. Pub. No. 225: "World Atlas of Sea Surface Temperatures 2nd Edition".

(Littlewood, 1955)

TABLE 6 (continued).—Surface Water Temperature Distribution of the Atlantic Ocean

(Including Caribbean, North, Baltic, Black, and Mediterranean Seas, and Gulf of Mexico. Limits - Below Arctic Circle; above 60 S.; lines from Cape Horn to Antarctica and Cape of Good Hope to Antarctica)

February

Surface Temperatures (°F.)		Northern Hemisphere	Southern Hemisphere	Total Area	Percentage
30 - 35		86.77	44.27	131.04	5.0 %
35 - 40		60.45	99.76	160.21	6.0 %
40 - 45		69.60	64.82	134.42	5.0 %
45 - 50		76.56	78.54	155.10	6.0 %
50 - 55		64.68	48.41	113.09	4.5 %
55 - 60		124.47	64.54	189.01	7.5 %
60 - 65		130.82	55.20	186.02	7.0 %
65 - 70		162.59	144.58	307.17	12.0 %
70 - 75		201.08	135.11	336.19	13.0 %
75 - 80		275.28	296.40	571.68	22.5 %
80 - 85		117.78	166.08	283.86	11.5 %
	Totals	1370.08	1197.71	2567.79	100.0 %

(x 10^4 = square nautical miles)
Averaged area of water surfaces = 25,768,600 sq. nautical miles

August

Surface Temperatures (°F.)		Northern Hemisphere	Southern Hemisphere	Total Area	Percentage
30 - 35		37.44	134.85	172.29	7.0 %
35 - 40		9.36	78.71	88.07	3.0 %
40 - 45		16.35	83.16	99.51	4.0 %
45 - 50		30.29	92.20	122.49	5.0 %
50 - 55		81.37	66.70	148.07	6.0 %
55 - 60		55.68	126.50	182.18	7.0 %
60 - 65		67.13	164.88	232.01	9.0 %
65 - 70		57.75	159.95	217.70	8.0 %
70 - 75		177.10	186.96	364.06	14.0 %
75 - 80		411.30	106.93	518.23	20.0 %
80 - 85		436.80	4.53	441.33	17.0 %
	Totals	1380.57	1205.37	2585.94	100.0 %

(x 10^4 = square nautical miles)
Averaged area of water surfaces = 25,768,600 sq. nautical miles

TABLE 6 (continued).—Surface Water Temperature Distribution of the Arctic Ocean (Above Arctic Circle and Bering Strait)

February

Surface Temperatures (°F.)		Percentages
30 - 35	364.25	94.0 %
35 - 40	11.70	3.0 %
40 - 45	11.63	3.0 %
Totals	387.58	100.0

(x 10^4 = square nautical miles)
Averaged area of water surfaces = 3,868,750 sq. nautical miles.

August

Surface Temperatures (°F.)		Percentages
30 - 35	296.10	77.0 %
35 - 40	21.02	5.0 %
40 - 45	31.22	8.0 %
45 - 50	28.89	7.0 %
50 - 55	6.51	2.0 %
55 - 60	2.33	1.0 %
Totals	386.07	100.0

(x 10^4 = square nautical miles)
Averaged area of water surfaces = 3,868,750 sq. nautical miles.

TABLE 6 (continued).—Surface Water Temperature Distribution in the Indian Ocean

(Including Red Sea and Persian Gulf. Limits = above 60°S.; lines from South Timor to Australia; Tasmania; and Cape of Good Hope to Antarctica.)

February

Surface Temperatures (°F.)	Northern Hemisphere	Southern Hemisphere	Totals	Percentages
30 - 35	0	0	0	
35 - 40	0	202.28	202.28	9.5 %
40 - 45	0	120.38	120.38	6.0 %
45 - 50	0	92.40	92.40	4.5 %
50 - 55	0	92.40	92.40	4.5 %
55 - 60	0	94.71	94.71	4.5 %
60 - 65	2.28	117.56	119.84	6.0 %
65 - 70	4.55	156.74	161.29	8.0 %
70 - 75	29.06	131.10	160.16	7.5 %
75 - 80	140.74	224.91	365.65	17.5 %
80 - 85	181.60	483.51	665.11	32.0 %
85 - 90	0	0	0 .	
Totals	358.23	1715.99	2074.22	100.0 %

(x 10^4 = square nautical miles)

Averaged area of water surfaces = 20,750,200 sq. nautical miles.

August Northern Southern

Surface Temperatures (°F.)	Northern Hemisphere	Southern Hemisphere	Totals	Percentages
30 - 35	0	255.75	255.75	12.5 %
35 - 40	0	81.03	81.03	4.0 %
40 - 45	0	80.85	80.85	4.0 %
45 - 50	0	106.26	106.26	5.0 %
50 - 55	0	152.13	152.13	7.5 %
55 - 60	0	156.40	156.40	7.5 %
60 - 65	0	128.52	128.52	6.0 %
65 - 70	0	148.53	148.53	7.0 %
70 - 75	4.55	191.52	196.07	9.5 %
75 - 80	113.50	291.20	404.70	19.5 %
80 - 85	217.92	129.39	347.31	16.5 %
85 - 90	18.28	0	18.28	1.0 %
Totals	354.25	1721.58	2075.83	100.0 %

(x 10^4 = square nautical miles)

Averaged area of water surface = 20,750,200 sq. nautical miles.

TABLE 6 (continued). -Surface Water Temperature Distribution of the Antarctic Ocean (Below 60° South)

February

Surface Temperatures (°F.)			Percentages
30 - 35		583.75	84 %
35 - 40		109.28	16 %
	Totals	693.03	100 %

(x 10^4 = square nautical miles)
Averaged area of water surfaces = 6,913,500 sq. nautical miles.

August

Surface Temperatures (°F.)			Percentages
30 - 35		682.69	99 %
35 - 40		4.64	1 %
	Totals	689.66	100 %

(x 10^4 = square nautical miles)
Averaged area of water surfaces = 6,913,500 sq. nautical miles.

Note: Areas planimetered from H. O. Publication No. 225: "World Atlas of Sea Surfaces Temperatures 2nd Edition."

TABLE 6 (continued). Surface Water Temperature Distribution of the Pacific Ocean

(Limits - Below Bering Strait; above 60°S.; lines from South Timor to Australia; Tasmania to Antarctica; and Cape Horn to Antarctica.)

February

Surface Temperature (°F.)	Northern Hemisphere	Southern Hemisphere	Totals	Percentages
30 - 35	168.12	0	168.12	3.5
35 - 40	115.75	106.95	222.70	4.5
40 - 45	76.40	78.88	155.28	3.0
45 - 50	99.33	136.88	236.21	4.5
50 - 55	101.42	127.33	228.75	4.5
55 - 60	135.70	115.50	251.20	5.0
60 - 65	165.24	142.91	308.15	6.0
65 - 70	169.09	195.50	364.59	7.5
70 - 75	234.84	316.02	550.86	11.0
75 - 80	441.35	534.69	976.04	20.0
80 - 85	677.24	839.90	1517.1[illegible]	30.5
Totals	2384.48	2594.56	4979.04	100.0

(x 10^4 = square nautical miles)
Averaged area of water surfaces = 49,884,300 sq. nautical miles.

August

Surface Temperature (°F.)	Northern Hemisphere	Southern Hemisphere	Totals	Percentages
30 - 35	0	56.16	56.16	1.0
35 - 40	2.34	148.48	150.82	3.0
40 - 45	3.70	120.64	124.34	2.5
45 - 50	86.02	152.79	238.81	5.0
50 - 55	136.88	267.38	404.26	8.0
55 - 60	104.17	190.90	295.07	6.0
60 - 65	94.71	219.84	314.55	6.5
65 - 70	126.78	255.92	382.70	7.5
70 - 75	207.00	344.28	551.28	11.0
75 - 80	422.28	423.15	845.43	17.0
80 - 85	1221.26	413.14	1634.40	32.5
Totals	2405.14	2592.68	4997.82	100.0

(x 10^4 = square nautical miles)
Averaged area of water surfaces = 49,884,300 sq. nautical miles.

TABLE 7.—Mean Vertical Temperature (°C) Distribution in the Three Oceans Between 40° N. and 40° S.

	Atlantic Ocean		Indian Ocean		Pacific Ocean		Mean	
Depth (m)	C°	ΔC°/100 m	C°	ΔC°/100 m	C°	ΔC°/100 m	C°	ΔC°/100 m
0	20.0		22.2		21.8		21.3	
		2.2		3.3		3.1		2.8
100	17.8		18.9		18.7		18.5	
		4.4†		4.7†		4.4†		4.5†
200	13.4		14.3		14.3		14.0	
		1.8		1.6		2.6		2.0
400	9.9		11.0		9.0		10.0	
		1.5		1.2		1.2		1.3
600	7.0		8.7		6.4		7.4	
		0.7		0.9		0.65		0.75
800	5.6		6.9		5.1		5.9	
		0.35		0.7		0.4		0.5
1000	4.9		5.5		4.3		4.9	
		0.20		0.4		0.4		0.35
1200	4.5		4.7		3.5		4.2	
		0.15		0.3		0.2		0.22
1600	3.9		3.4		2.6		3.3	
		0.12		0.15		0.1		0.12
2000	3.4		2.8		2.15		2.8	
		0.08		0.09		0.05		0.07
3000	2.6		1.9		1.7		2.1	
		0.08		0.03		0.03		0.05
4000	1.8		1.6		1.45		1.6	

(Defant, 1961)

† Maximum

TABLE 8.—Relative Frequency of Waves of Different Heights in Different Regions

Ocean Region	Height of Waves in feet					
	0-3	3-4	4-7	7-12	12-20	≥20
	%	%	%	%	%	%
North Atlantic (between Newfoundland and England)	20	20	20	15	10	15
Mid-equatorial Atlantic	20	30	25	15	5	5
South Atlantic (latitude of Argentina)	10	20	20	20	15	10
North Pacific (latitude of Oregon and south of Alaskan Peninsula)	25	20	20	15	10	10
East equatorial Pacific	25	35	25	10	5	5
West wind belt of South Pacific (latitude of Southern Chile)	5	20	20	20	15	15
North Indian Ocean (Northeast monsoon season)	55	25	10	5	0	0
North Indian Ocean (Southwest monsoon season)	15	15	25	20	15	10
Southern Indian Ocean (between Madagascar and northern Australia)	35	25	20	15	5	5
West wind belt of southern Indian Ocean (on route between Cape of Good Hope and southern Australia)	10	20	20	20	15	15

(Bigelow and Edmondson, 1962)

TABLE 9.—Length of Storm Waves Observed in Different Oceans

Ocean Area	Wave Length (Feet)			Number of Cases
	Maximum	Minimum	Average	
North Atlantic	559	115	303	15
South Atlantic	701	82	226	32
Pacific	765	80	242	14
Southern Indian	1121	108	360	23
China Sea	261	160	197	3

(Bigelow and Edmondson, 1962)

TABLE 10.—Mean Density of Sea Water Column Above Estimated Depth

Estimated depth (meters)	North Atlantic		Northeast Pacific		Arctic[1]		Antarctic[2]		Mediterranean	
	ρ_m	$\frac{1}{\rho_m}$	ρ_m	$\frac{1}{\rho_m}$	ρ_m	$\frac{1}{\rho_m}$	ρ_m	$\frac{1}{\rho_m}$	ρ_m	$\frac{1}{\rho_m}$
0..........	1.0262	0.9745	....	....	1.0279	0.9729	1.0275	0.9732	1.0282	0.9726
100.........	1.0264	.9743	1.0248	0.9758	1.0281	.9727	1.0277	.9730	1.0286	.9722
200.........	1.0267	.9740	1.0255	.9751	1.0283	.9725	1.0281	.9727	1.0289	.9719
300.........	1.0270	.9737	1.0261	.9746	1.0285	.9723	1.0284	.9724	1.0293	.9715
400.........	1.0274	.9733	1.0267	.9740	1.0288	.9720	1.0287	.9721	1.0296	.9712
500.........	1.0278	.9730	1.0272	.9735	1.0290	.9718	1.0290	.9718	1.0300	.9709
600.........	1.0281	.9727	1.0276	.9731	1.0292	.9716	1.0292	.9716	1.0302	.9707
700.........	1.0285	.9723	1.0280	.9728	1.0295	.9713	1.0295	.9713	1.0305	.9704
800.........	1.0288	.9720	1.0283	.9725	1.0297	.9712	1.0297	.9712	1.0307	.9702
900.........	1.0291	.9717	1.0286	.9722	1.0299	.9710	1.0300	.9709	1.0310	.9699
1,000.......	1.0294	.9714	1.0289	.9719	1.0302	.9707	1.0302	.9707	1.0312	.9697
1,500.......	1.0308	.9701	1.0304	.9705	1.0314	.9696	1.0314	.9696	1.0324	.9686
2,000.......	1.0321	.9689	1.0318	.9692	1.0326	.9684	1.0326	.9684	1.0335	.9676
2,500.......	1.0334	.9677	1.0331	.9680	1.0338	.9673	1.0338	.9673	1.0346	.9665
3,000.......	1.0346	.9666	1.0344	.9667	1.0351	.9661	1.0350	.9662	1.0358	.9655
3,500.......	1.0358	.9654	1.0356	.9656	1.0363	.9650	1.0362	.9651	......	.....
4,000.......	1.0370	.9643	1.0369	.9644	1.0375	.9638	1.0375	.9638	......	.....
4,500.......	1.0383	.9631	....	....	1.0387	.9627	1.0387	.9627	......	.....
5,000.......	1.0395	.9620	....	....	1.0400	.9615	1.0400	.9615	......	.....

(Lafond, 1951)

[1]Norwegian and Greenland Seas.
[2]Ross and Weddell Seas.

TABLE 11.—Tables of Velocity of Sound in Sea Water for Use in Echo Sounding and Sound Ranging

Find from the charts the number of the area in which the sounding was made.

(1) The echo sounder is set to read depths directly on the assumption of a constant velocity of 1463 m. or 1500 m. per second (Table 11a), equivalent to 800 fms. or 820 fms. per second (Table 11b).

Take from Table 11 a or b for the area in question the required correction and add it to the depth found. This gives the depth.

Example, Table 11a. In area 1 a depth of 3200 m. has been found with an echo sounder set to 1500 m. per second. The correction is −61 and the true depth is 3139 m.

Example, Table 11b. In area 41 a depth of 4250 fms. has been found with an echo sounder set to 800 fms. per second. The correction is 194 fms. and the depth is 4444 fms.

(2) The echo sounder gives the time required for the sound wave to travel from the surface to the bottom, that is, the time of half its journey.

The times are so chosen as to provide checks on the examples above.

Example. In the example above the time is 3200/1500 secs.=2.1333 secs.

Then in area 1 (Table 11a) a sounding has been made and the time recorded was 2.1333 secs. Assuming any convenient velocity, 1460 m./sec. for instance, an approximate depth of 3115 m. is found. By interpolation the velocity to this depth is 1471.2 m./sec., and this gives a more accurate depth of 3138.5 m., almost exactly the same as in the first example. A further approximation would give even better agreement.

(3) The echo sounder is set to read depths on the assumption of some other velocity.

The calculations are made as in (2). If the sounder was set, for instance, to 1480 m./sec. and this gave a depth of 3200 m., then the time was 2.1062 secs. The true depth is found by approximation as before.

(Matthews, 1939)

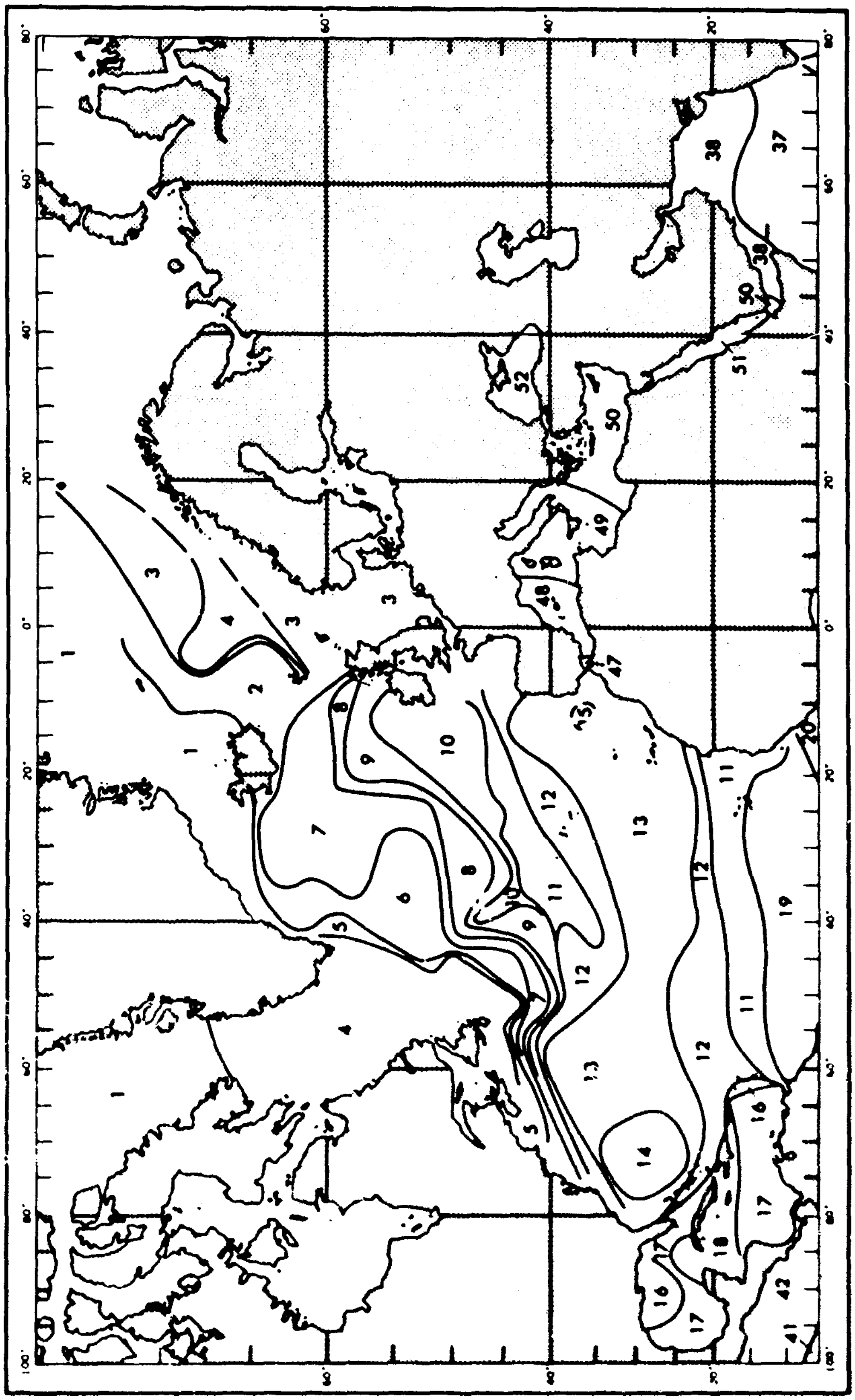


TABLE 11 (continued).—Echo Sounding Areas—North Atlantic Ocean

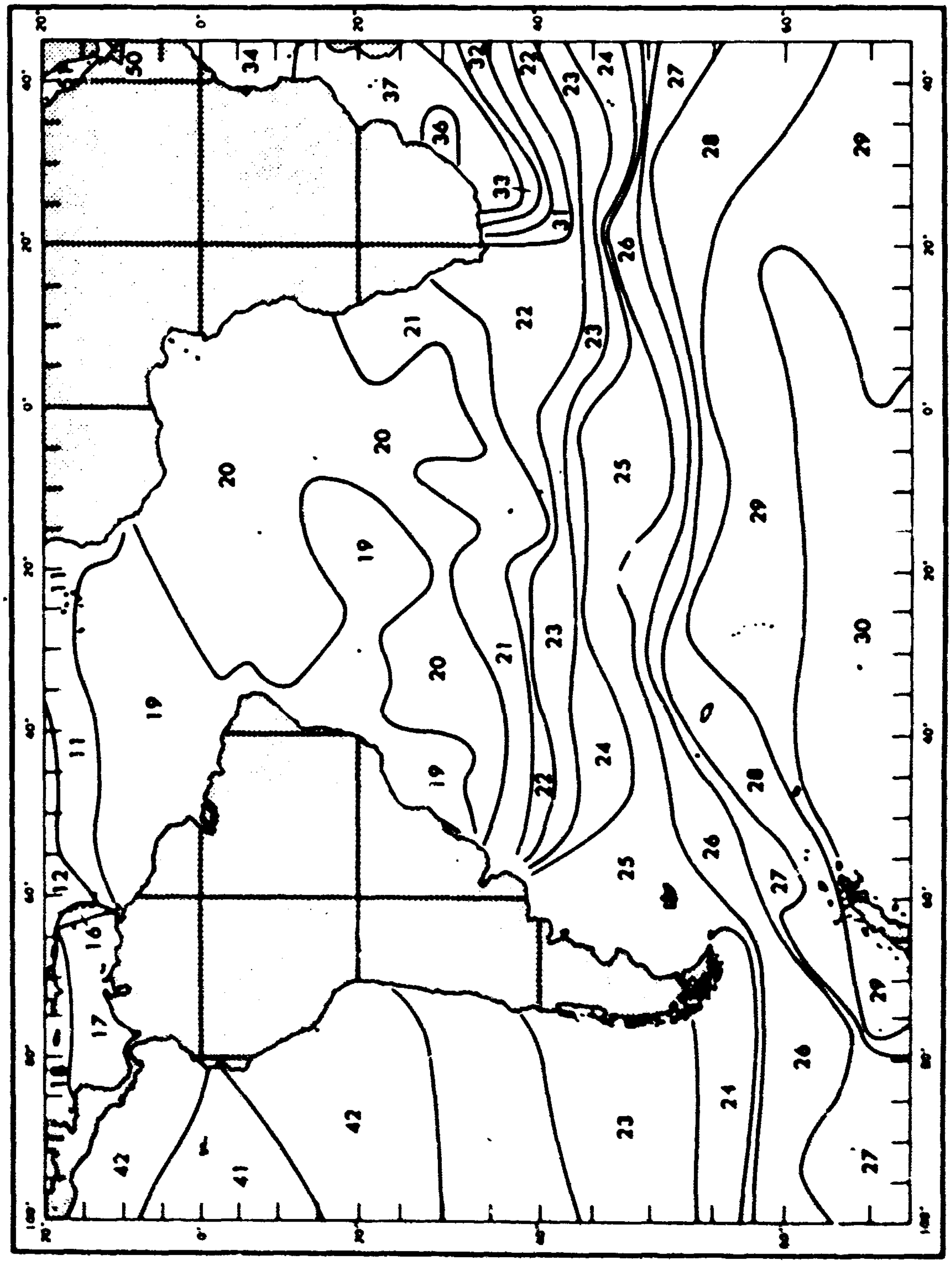


TABLE 11 (continued).—Echo Sounding Areas—South Atlantic Ocean

TABLE 11 (continued). Echo Sounding Areas—Indian Ocean

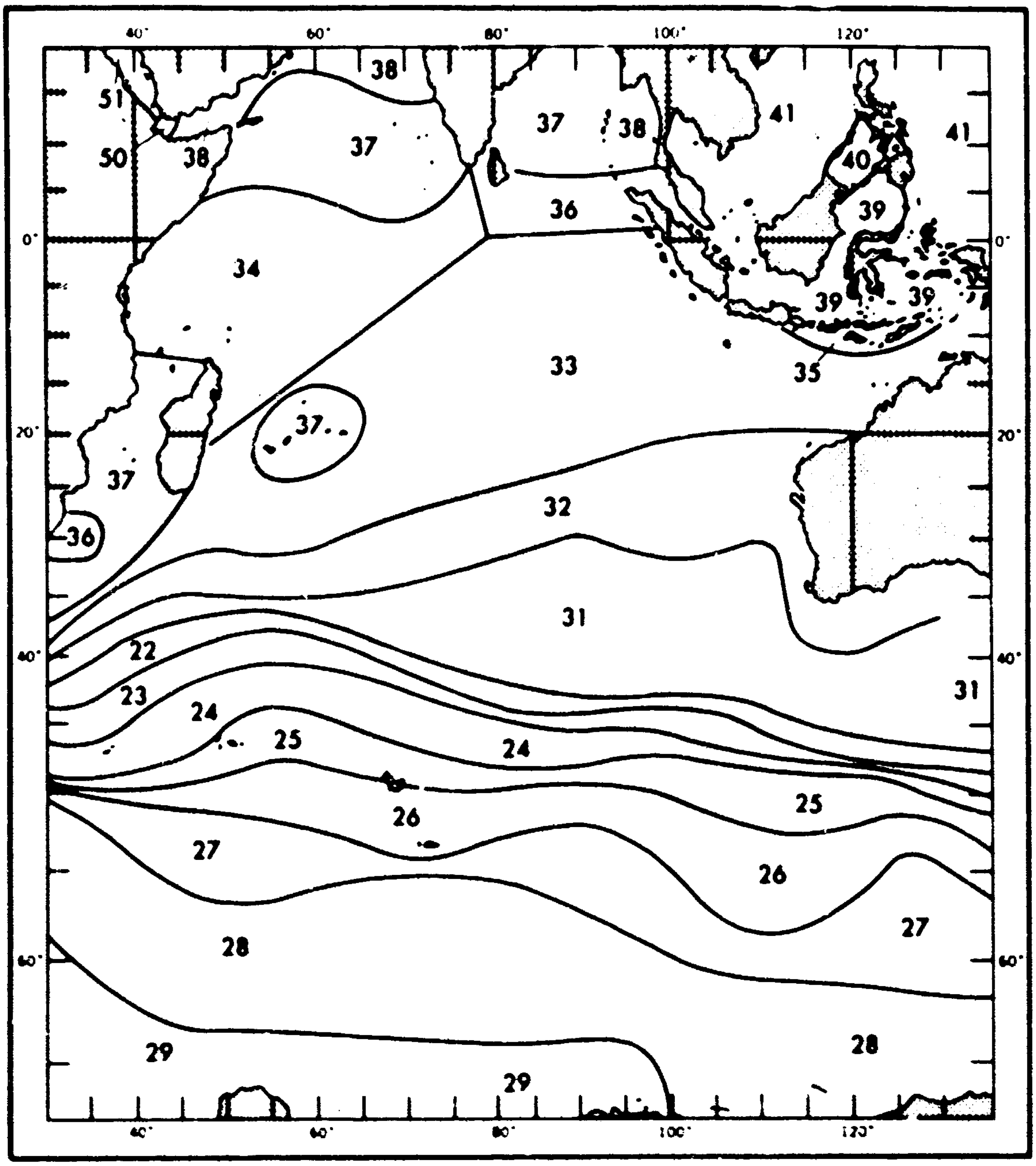


TABLE 11 (continued). Echo Sounding Areas North Pacific Ocean

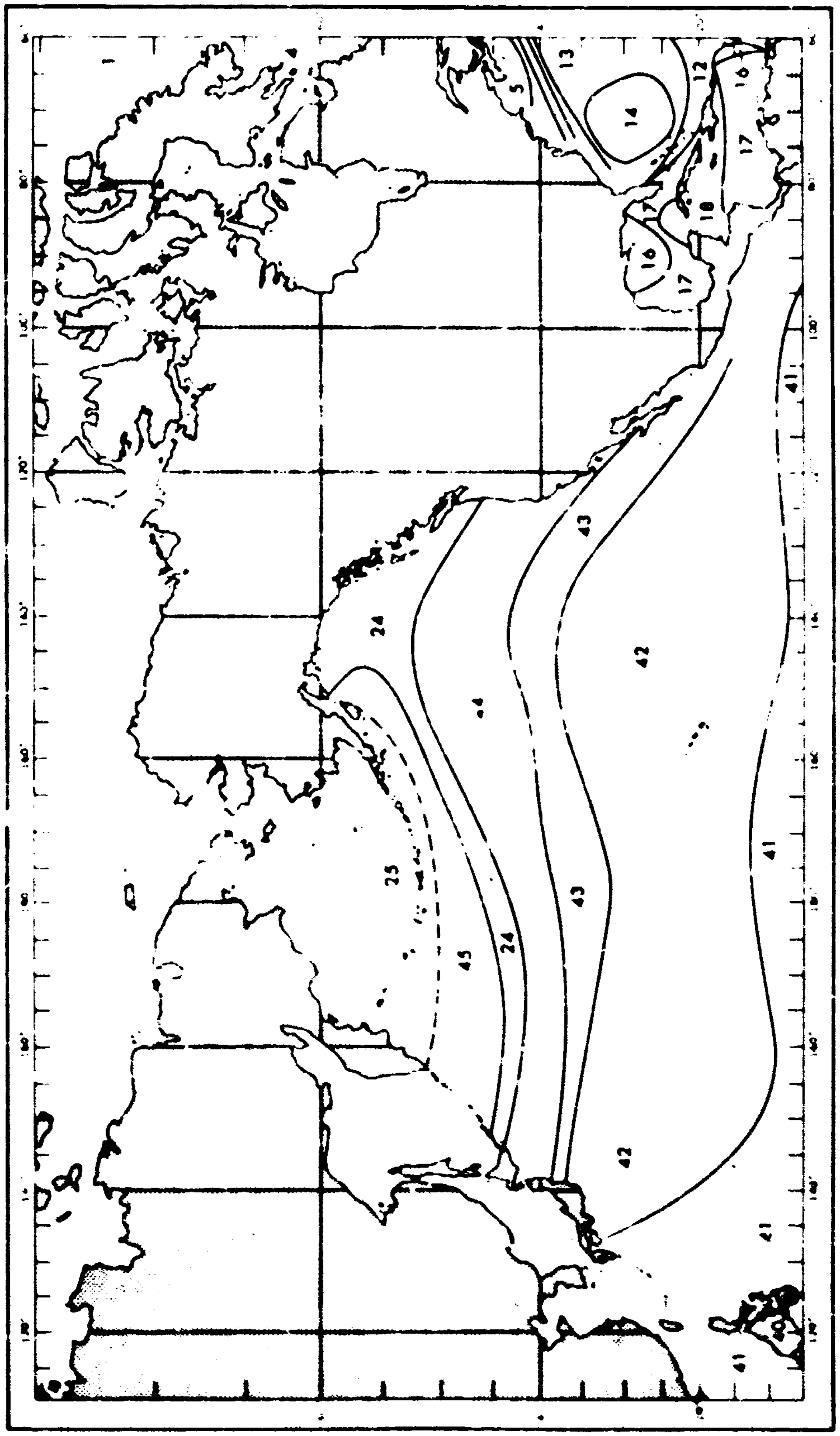


TABLE 11 (continued).—Echo Sounding Areas—South Pacific Ocean

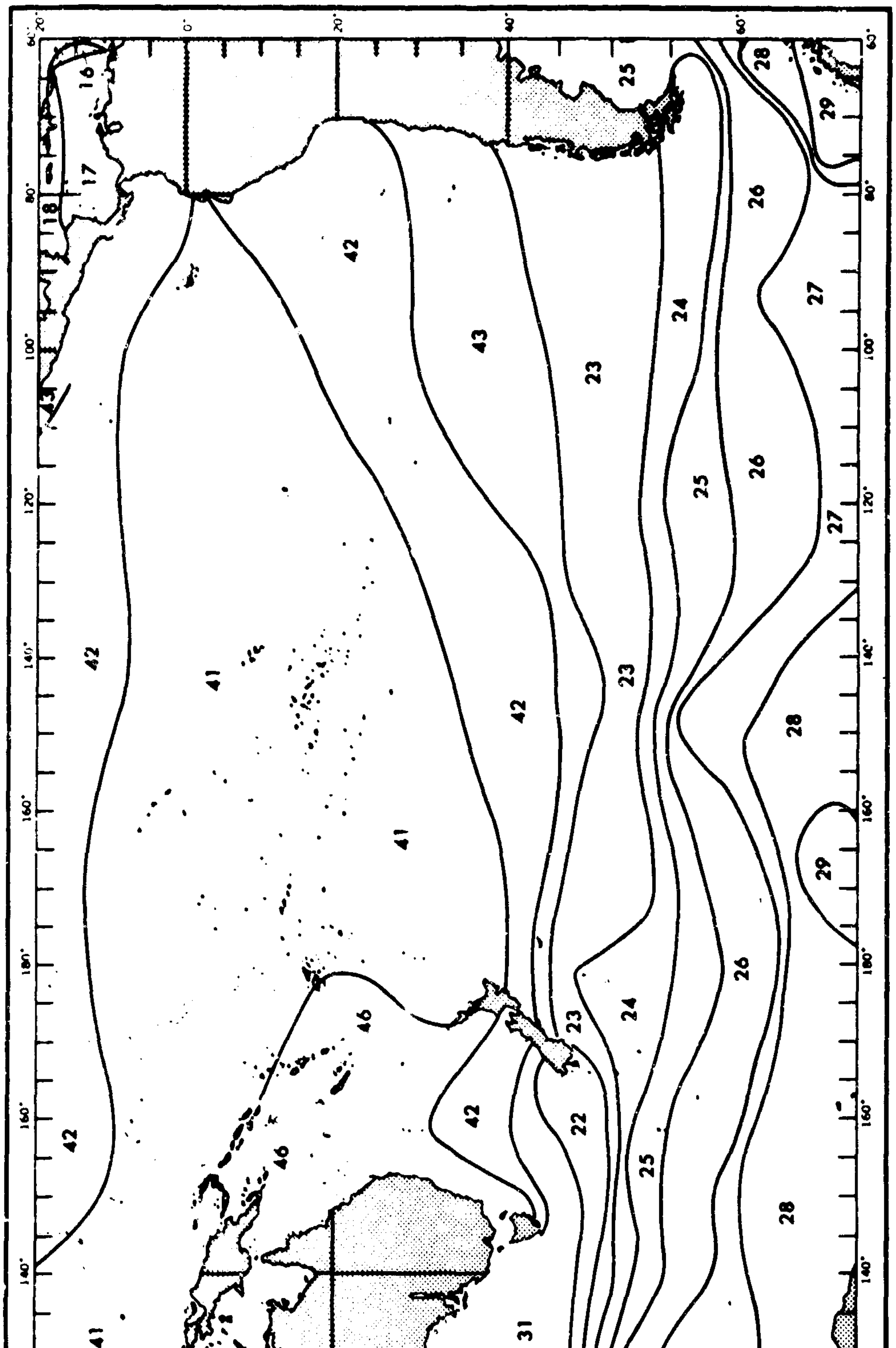


TABLE 11a.—Tables of Velocity of Sound in Sea Water for Use in Echo Sounding and Sound Ranging. Vertical Sounding Velocities in meters per second to the depths shown, and corrections to depths shown by echo sounders set to fixed velocities of 1463 meters per second and 1500 meters per second

Areas:	1			2			3			4		
Depth, Ms.	Velocity.	Corrections. 1463.	Corrections. 1500.	Velocity.	Corrections. 1463.	Corrections. 1500.	Velocity.	Corrections. 1463.	Corrections. 1500.	Velocity.	Corrections. 1463.	Corrections. 1500.
200	1441	−3	−8	1461	0	−5	1474	2	−3	1467	1	−4
400	1446	−5	−14	1458	−1	−11	1471	2	−7	1467	1	−8
600	1449	−6	−20	1457	−2	−17	1470	3	−12	1468	2	−13
800	1451	−7	−26	1458	−3	−22	1470	4	−15	1469	3	−17
1000	1453	−7	−32	1458	−3	−28	1469	4	−21	1470	5	−20
1200	1455	−7	−36	1459	−3	−33	1469	5	−25	1472	7	−23
1400	1457	−6	−41	1460	−3	−38	1469	6	−29	1473	10	−26
1600	1459	−4	−44	1461	−2	−42	1469	7	−33	1475	13	−27
1800	1460	−4	−48	1462	−1	−46	1469	7	−37	1476	16	−29
2000	1462	−1	−51	1463	0	−50	1470	10	−40	1478	21	−30
2200	1464	1	−54	1465	3	−52	1471	12	−43	1480	26	−30
2400	1465	3	−57	1466	5	−55	1472	15	−45	1481	30	−31
2600	1467	7	−58	1468	9	−57	1473	18	−47	1483	36	−30
2800	1468	10	−60	1469	12	−59	1474	21	−49	1484	41	−30
3000	1470	15	−61	1470	15	−61	1475	25	−51	1486	46	−29
3200	1472	20	−61							1488	55	−26
3400	1474	26	−60							1489	62	−25
3600	1475	30	−61							1491	71	−22
3800	1477	37	−60							1493	79	−18
4000	1479	45	−58							1494	87	−14
4200										1496	93	−12
4400										1497·1	105	−6
4600										1498·4	114	−6
4800										1499·7	123	−1
5000										1501·0	133	3
5200												
5400												
5600												
5800												
6000												
6200												
6400												
6600												
6800												
7000												

TABLE 11a.—Continued

Areas:	5			6			7			8		
		Corrections.			Corrections.			Corrections.			Corrections.	
Depth, Ms.	Velocity.	1463.	1500.	Velocity.	1463.	1500.	Velocity.	1463.	1500.	Velocity.	1463.	1500.
200	1488	3	−2	1476	2	−3	1488	3	−2	1495	4	−1
400	1481	5	−5	1474	3	−7	1482	5	−4	1492	8	−2
600	1478	6	−9	1474	5	−10	1481	7	−8	1490	11	−4
800	1476	7	−13	1475	6	−13	1480	9	−11	1488	14	−6
1000	1476	9	−16	1475	8	−17	1480	12	−13	1487	17	−9
1200	1475	10	−20	1476	11	−19	1481	15	−15	1487	20	−10
1400	1475	11	−23	1478	14	−21	1481	17	−18	1486	22	−13
1600	1476	14	−26	1479	17	−23	1482	21	−19	1486	25	−15
1800	1478	18	−26	1480	21	−24	1483	25	−20	1487	30	−16
2000	1480	23	−27	1481	25	−26	1484	29	−21	1488	34	−16
2200	1481	27	−28	1483	30	−26	1485	33	−22	1489	39	−16
2400	1483	33	−28	1484	34	−26	1486	38	−22	1490	44	−16
2600	1484	38	−28	1485	39	−26	1488	45	−21	1491	50	−16
2800	1486	45	−27	1486	45	−26	1489	51	−21	1492	57	−15
3000	1487	50	−26	1488	52	−25	1491	58	−18	1493	63	−14
3200	1489	57	−24	1490	60	−22	1492	64	−17	1495	71	−10
3400	1490	64	−23	1492	68	−19	1493	71	−16	1496	78	−9
3600	1492	72	−20	1493·4	76	−16	1494·9	80	−12	1497	85	−7
3800	1493	79	−18	1494·9	85	−13	1496·4	89	−9	1498	93	−5
4000	1494	87	−14	1496·6	94	−9	1497·9	97	−6	1500	103	0
4200	1496	93	−12				1499·4	107	−2	1501	111	3
4400	1497·2	105	−6							1502·6	122	8
4600	1498·7	114	−4							1504·2	133	13
4800	1500·0	124	0							1505·7	144	19
5000	1501·4	134	5							1507·3	156	25
5200												
5400												
5600												
5800												
6000												
6200												
6400												
6600												
6800												
7000												

Table 11a.—Continued

Areas:	9			10			11			12		
Depth, M.	Velocity.	Corrections. 1463.	Corrections. 1500.	Velocity.	Corrections. 1463.	Corrections. 1500.	Velocity.	Corrections. 1463.	Corrections. 1500.	Velocity.	Corrections. 1463.	Corrections. 1500.
200	1512	7	2	1495	4	− 1	1507	6	1	1523	8	3
400	1506	12	1	1496	9	− 1	1504	11	1	1518	15	4
600	1502	16	1	1496	14	− 2	1502	16	1	1514	21	6
800	1497	18	− 2	1496	18	− 2	1500	20	0	1509	25	4
1000	1495	22	− 3	1496	23	− 3	1499	25	− 1	1506	30	4
1200	1494	25	− 4	1496	27	− 3	1498	29	− 2	1504	34	3
1400	1493	29	− 7	1495	31	− 5	1497	33	− 3	1502	37	2
1600	1493	33	− 7	1495	35	− 5	1497	37	− 3	1501	42	1
1800	1493	37	− 8	1495	39	− 6	1497	42	− 4	1500	46	0
2000	1493	41	− 9	1495	44	− 6	1497	46	− 4	1499	50	0
2200	1493	45	−10	1496	50	− 8	1497	51	− 5	1500	55	0
2400	1494	51	−10	1496	55	− 6	1497	56	− 5	1500	61	0
2600	1495	57	− 9	1497	60	− 5	1498	62	− 3	1501	68	1
2800	1495	62	− 9	1497	66	− 5	1498	68	− 4	1501	74	2
3000	1496	68	− 8	1498	72	− 4	1499	75	− 3	1502	81	4
3200	1497	75	− 6	1498	77	− 4	1500	82	0	1503	87	6
3400	1498	83	− 5	1499	85	− 2	1501	89	2	1503	94	7
3600	1500	92	0	1500	93	0	1502	97	5	1504	102	10
3800	1501	101	3	1502	104	5	1503	106	8	1505	110	13
4000	1503	111	8	1504	114	11	1505	117	14	1506	119	16
4200	1504·1	120	12	1505	122	14	1506	125	17	1507	130	20
4400	1505·4	130	16	1506	131	18	1507	134	21	1509	140	27
4600	1507·0	142	22	1507	142	22	1508	145	25	1510	153	33
4800	1508·4	153	27	1509	155	29	1509·7	157	32	1511	163	38
5000	1509·9	165	34	1510	165	34	1511·0	168	38	1513	174	44
5200							1512·4	179	44	1514	186	49
5400							1513·7	192	50	1515	199	56
5600							1515·0	204	57	1517	211	65
5800										1518	222	72
6000										1520	238	80
6200										1521	256	88
6400										1523	270	100
6600										1524	286	112
6800										1526	302	123
7000										1528	318	134
7200										1529	336	146
7400										1531	354	158
7600										1532	372	169
7800										1534	390	182
8000										1535	408	194
8200										1537	425	208
8400										1538	450	222
8600										1540	470	238
8800										1541	492	252
9000										1543	516	266

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TABLE 11a.—Continued

Areas:	13			14			15			16		
Depth, Ms.	Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.	
		1463.	1500.		1463.	1500.		1463.	1500.		1463.	1500.
200	1512	7	2	1528	9	4	1512	7	2	1517	7	2
400	1509	12	2	1523	16	6	1510	13	2	1515	14	4
600	1507	18	2	1520	23	8	1510	19	4	1496	14	− 1
800	1506	23	3	1517	29	9	1510	25	5	1494	17	− 3
1000	1505	29	3	1513	35	9	1509	32	6	1492	20	− 5
1200	1505	34	3	1510	39	8	1508	37	6	1491	23	− 7
1400	1504	39	3	1507	42	6	1508	43	7	1491	27	− 9
1600	1504	45	4	1506	47	6	1507	48	7	1491	31	−10
1800	1503	49	4	1504	50	5	1507	54	8	1491	34	−11
2000	1503	55	4	1503	55	4	1506	59	8	1491	38	−12
2200	1503	60	4	1503	60	3	1506	65	8	1492	44	−12
2400	1503	66	5	1504	67	6	1506	70	10	1493	50	−11
2600	1503	71	5	1504	73	7	1505	75	9	1494	56	−10
2800	1503	78	6	1504	80	7	1506	82	9	1496	64	− 7
3000	1504	85	8	1505	87	10	1506	89	12	1497·2	71	− 6
3200	1504	91	8	1505	93	11	1507	96	15	1498·6	79	− 3
3400	1505	98	11	1506	101	14	1507	103	16	1500·1	87	0
3600	1506	107	15	1507	108	17	1508	112	20	1501·8	96	5
3800	1507	116	18	1507	116	18	1509	121	23			
4000	1508	125	22	1508	125	22	1510	130	27			
4200	1509·1	134	26	1509	136	26	1511	140	31			
4400	1510·1	144	30	1511	147	32	1511·8	149	35			
4600	1511·3	155	36	1512	156	38	1512·9	160	41			
4800	1512·4	165	40	1513	167	42	1513·9	171	45			
5000	1513·7	177	46	1514	177	48	1515·1	182	51			
5200				1515	191	54						
5400				1517	203	62						
5600				1517·9	216	68						
5800				1519·2	229	77						
6000				1520·7	243	85						
6200												
6400												
6600												
6800												
7000												
7200												
7400												
7600												
7800												
8000												
8200												
8400												
8600												
8800												
9000												

TABLE 11a. Continued

Areas	17			18			19			20		
Depth, fm.	Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.	
		1463.	1500.		1463.	1500.		1463.	1500.		1463.	1500.
200	1526	9	3	1532	9	4	1519	8	3	1511	7	1
400	1515	14	4	1524	17	6	1512	13	3	1506	12	1
600	1507	18	3	1516	22	6	1504	17	2	1499	15	0
800	1502	21	1	1510	25	5	1501	21	1	1494	17	− 2
1000	1497	24	− 2	1506	30	3	1498	24	− 1	1491	20	− 6
1200	1496	27	− 3	1502	32	2	1495	26	− 4	1490	22	− 8
1400	1495	31	− 5	1500	35	0	1493	29	− 7	1490	26	− 9
1600	1495	35	− 5	1499	39	− 1	1492	32	− 9	1490	30	−11
1800	1495	39	− 6	1498	43	− 2	1491	34	−11	1490	33	−12
2000	1495	44	− 6	1499	40	− 1	1491	38	−12	1490	37	−13
2200	1496	50	− 6	1499	54	− 1	1492	44	−12	1491	42	−13
2400	1497	56	− 5	1500	61	0	1493	49	−11	1492	48	−13
2600	1498	62	− 3	1500	66	0	1494	56	−10	1492	52	−14
2800	1498	68	− 4	1501	74	2	1495	62	− 9	1493	56	−13
3000	1499	75	− 2	1502	81	4	1496	68	− 8	1495	66	−10
3200	1500	83	0	1503	88	6	1497	75	− 6	1496	73	− 9
3400	1502	93	5	1504	97	9	1498	82	− 5	1497	80	− 7
3600	1504	102	10	1506	107	13	1499	90	− 2	1498	87	− 5
3800	1505	110	13	1507	116	18	1500	98	0	1499	96	− 3
4000	1506	121	16	1508	125	22	1501·9	108	5	1501	105	3
4200	1508	132	23	1509	136	28	1503·0	116	9	1502	114	6
4400	1509·6	143	29	1511	147	33	1504·1	126	12	1503·1	123	9
4600	1511·0	154	34	1512	159	38	1505·4	136	17	1504·5	134	14
4800	1512·4	166	40	1514	173	46	1507·0	148	23	1506·0	145	20
5000	1513·6	177	46	1516	186	55	1508·9	162	31	1507·5	157	26
5200				1517·4	199	62						
5400				1519·0	213	70						
5600				1520·7	228	79						
5800				1522·2	242	88						
6000				1523·7	257	98						
6200												
6400												
6600												
6800												
7000												

Table 11a.—Continued

Areas:	21			22			23			24		
Depth, Ms.	Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.	
		1463.	1500.		1463.	1500.		1463.	1500.		1463.	1500.
200	1487	3	−2	1499	5	0	1475	2	−2	1470	1	−4
400	1487	7	−3	1491	8	−2	1477	4	−6	1471	2	−7
600	1488	10	−5	1487	10	−5	1478	6	−9	1472	4	−11
800	1488	14	−6	1485	12	−8	1479	9	−11	1473	5	−14
1000	1488	17	−8	1483	14	−11	1480	12	−13	1473	7	−18
1200	1488	20	−10	1482	16	−14	1480	14	−16	1474	9	−21
1400	1488	24	−11	1481	17	−18	1480	16	−19	1475	11	−23
1600	1488	27	−13	1481	20	−20	1481	20	−20	1476	14	−26
1800	1488	31	−14	1482	23	−22	1481	22	−23	1477	17	−28
2000	1488	34	−16	1483	27	−23	1482	26	−24	1479	22	−28
2200	1489	40	−16	1484	32	−23	1483	30	−25	1480	25	−29
2400	1490	44	−16	1486	38	−22	1484	34	−26	1481	30	−30
2600	1490	48	−17	1487	45	−23	1485	39	−26	1482	34	−31
2800	1491	55	−17	1488	49	−22	1486	45	−26	1484	41	−30
3000	1492	60	−16	1489	54	−22	1487	50	−26	1485	46	−30
3200	1493	66	−15	1491	62	−19	1489	57	−23	1487	51	−29
3400	1494	73	−14	1492	68	−18	1490	63	−23	1488	59	−28
3600	1495	80	−12	1493	76	−17	1492	72	−20	1490	67	−24
3800	1496·3	88	−9	1495	84	−13	1493	80	−18	1491	74	−23
4000	1497·7	96	−6	1496	92	−11	1494	87	−17	1492·5	83	−20
4200	1498·9	105	−3	1497·3	101	−8	1495·9	96	−12	1494·0	91	−17
4400	1500·1	113	0	1498·9	110	3	1497·3	105	−8	1495·5	100	−14
4600	1501·8	125	6	1500·0	119	0	1498·7	115	−4	1497·0	111	−9
4800	1503·4	136	11	1501·4	129	5	1500·1	124	0			
5000	1504·8	147	16	1502·7	139	9	1501·3	134	4			
5200												
5400												
5600												
5800												
6000												
6200												
6400												
6600												
6800												
7000												

TABLE 11a.—Continued

Areas:	25			26			27			28		
Depth, Ms.	Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.	
		1463.	1500.		1463.	1500.		1463.	1500.		1463.	1500.
200	1463	0	− 5	1455	− 1	− 6	1449	− 2	− 7	1445	− 2	− 7
400	1464	0	− 9	1457	− 2	−11	1453	− 3	−12	1452	− 3	−12
600	1465	1	−14	1460	− 1	−16	1456	− 3	−18	1455	− 3	−18
800	1467	2	−18	1462	0	−20	1459	− 3	−22	1457	− 3	−23
1000	1468	3	−21	1464	1	−24	1461	− 1	−26	1459	− 3	−27
1200	1469	5	−25	1465	2	−28	1463	0	−30	1461	− 2	−31
1400	1471	8	−27	1467	4	−31	1465	2	−33	1463	0	−34
1600	1472	10	−30	1469	7	−33	1466	3	−36	1465	2	−37
1800	1474	14	−31	1470	9	−36	1467	5	−40	1467	5	−40
2000	1475	16	−34	1472	12	−38	1470	10	−40	1469	8	−41
2200	1477	21	−34	1474	18	−38	1471	12	−43	1470	11	−44
2400	1478	25	−35	1475	20	−40	1473	16	−43	1472	15	−45
2600	1480	30	−35	1477	25	−40	1475	22	−43	1473	18	−47
2800	1481	35	−35	1479	31	−39	1476	25	−45	1475	23	−47
3000	1482	40	−37	1480	35	−40	1478	31	−44	1476	27	−48
3200	1484	47	−35	1481	40	−41	1479	36	−46	1478	33	−48
3400	1486	54	−32	1483	47	−39	1481	42	−44	1479	38	−49
3600	1487	60	−32	1485	55	−37	1482	48	−44	1481	45	−47
3800	1488	67	−31	1486	61	−36	1484	56	−42	1483	53	−44
4000	1490	75	−27	1488	69	−32	1486	64	−38	1485	61	−41
4200	1491	82	−26	1489	77	−32	1487	71	−37	1486	67	−40
4400	1492·8	92	−22	1491·0	86	−27	1489·0	80	−33	1487·4	75	−38
4600	1494·3	101	−18	1492·7	96	−23	1490·7	90	−29	1489·0	84	−35
4800	1495·8	110	−14	1494·3	106	−19	1492·6	100	−24	1490·6	93	−31
5000	1497·2	132	−10	1496·0	116	−14	1494·4	110	−19	1492·3	103	−26
5200												
5400												
5600												
5800												
6000												
6200												
6400												
6600												
6800												
7000												

TABLE 11a.—Continued

Areas	29			30			31			32		
Depth. Ms.	Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.	
		1463.	1500.		1463.	1500.		1463.	1500.		1463.	1500.
200	1446	− 2	− 7	1442	− 3	− 8	1506	6	1	1510	6	1
400	1451	− 3	−12	1447	− 4	−13	1501	11	1	1506	11	1
600	1454	− 4	−18	1451	− 5	−20	1498	14	− 1	1503	16	1
800	1456	− 4	−23	1453	− 5	−25	1496	16	− 4	1502	21	1
1000	1459	− 3	−28	1455	− 6	−30	1494	19	− 7	1500	26	0
1200	1460	− 3	−32	1457	− 5	−34	1493	21	−10	1498	29	− 2
1400	1462	− 1	−36	1459	− 4	−38	1491	23	−12	1496	32	− 4
1600	1464	1	−38	1460	− 3	−43	1490	26	−14	1495	35	− 5
1800	1465	2	−42	1462	− 1	−46	1490	30	−16	1494	38	− 8
2000	1467	6	−44	1464	1	−51	1490	33	−17	1494	42	− 8
2200	1468	8	−47	1465	3	−51	1491	38	−18	1494	47	− 9
2400	1470	12	−48	1467	7	−53	1491	43	−18	1494	51	−10
2600	1471	14	−50	1469	11	−55	1492	48	−17	1494	55	−10
2800	1473	20	−50	1471	16	−54	1493	55	−17	1495	62	− 9
3000	1474	23	−53	1472	19	−57	1493	60	−16	1496	68	− 8
3200	1476	29	−52	1474	25	−57	1494	66	−15	1497	75	− 6
3400	1477	34	−52	1476	31	−55	1495	74	−14	1498	81	− 5
3600	1478	40	−52	1477	36	−57	1496	82	−10	1498	87	− 5
3800	1480	46	−50	1479	42	−54	1497	91	− 8	1499	95	− 3
4000	1482	53	−49	1480	48	−55	1498·2	100	− 3	1500	103	0
4200	1483	59	−49	1482	56	−52	1499·5	108	0	1501·4	112	4
4400	1485	67	−45	1484	65	−48	1500·6	116	3	1502·8	121	8
4600	1486	74	−44	1485·6	74	−46	1502·0	126	7	1504·0	132	13
4800	1488	85	−40	1487·3	82	−42	1503·3	136	12	1505·3	142	17
5000	1490	95	−34	1488·9	91	−38	1504·7	147	17	1506·6	152	22
5200	1492	104	−29									
5400	1493	115	−26									
5600	1495	127	−19									
5800	1497	137	−12									
6000	1498	150	− 8									
6200	1500·1	164	0									
6400	1501·9	182	8									
6600	1503·6	190	16									
6800	1505·3	198	25									
7000	1507·0	206	34									

TABLE 11a.—Continued

Area:	33			34			35			36		
Depth, Ms.	Velocity.	Corrections. 1463.	Corrections. 1500.	Velocity.	Corrections. 1463.	Corrections. 1500.	Velocity.	Corrections. 1463.	Corrections. 1500.	Velocity.	Corrections. 1463.	Corrections. 1500.
200	1522	8	3	1520	8	3	1521	8	3	1522	8	3
400	1510	13	3	1510	13	3	1509	13	2	1513	14	3
600	1506	17	2	1506	17	2	1502	16	1	1507	18	3
800	1502	21	1	1502	21	1	1498	19	− 1	1504	22	2
1000	1499	25	− 1	1500	26	0	1496	23	− 4	1501	27	1
1200	1498	30	− 1	1499	30	− 1	1495	26	− 4	1500	30	0
1400	1497	33	− 2	1498	33	− 2	1494	30	− 6	1498	33	− 2
1600	1496	36	− 4	1497	37	− 3	1493	33	− 7	1497	37	− 3
1800	1496	40	− 6	1496	41	− 5	1493	37	− 8	1497	42	− 4
2000	1496	44	− 7	1496	45	− 5	1493	41	− 9	1496	45	− 5
2200	1496	48	− 7	1496	50	− 6	1493	45	−10	1496	50	− 6
2400	1496	53	− 8	1496	54	− 6	1493	50	−11	1496	54	− 6
2600	1496	57	− 9	1496	59	− 7	1493	54	−12	1497	60	− 5
2800	1496	62	− 7	1497	66	− 6	1494	60	−11	1497	66	− 6
3000	1497	71	− 6	1498	72	− 4	1495	66	−10	1498	71	− 4
3200	1497	75	− 6	1498	77	− 4	1496	73	− 9	1498	77	− 4
3400	1498	82	− 5	1499	85	− 2	1497	80	− 7	1499	85	− 2
3600	1499	89	− 2	1500	92	0	1498	86	− 5	1500	92	0
3800	1500	97	0	1501	100	3	1498	92	− 5	1501	100	3
4000	1501	103	3	1502	109	2	1499	100	− 3	1502	108	5
4200	1502·0	114	6	1503·7	119	11	1500	109	0	1503	116	9
4400	1503·0	122	9	1505·0	128	15	1502	119	6	1504·0	126	12
4600	1504·1	131	13	1506·1	139	19	1503	131	9	1505·2	135	16
4800	1505·2	142	17	1507·6	150	25	1504	137	13	1506·4	145	21
5000	1506·3	154	23	1509·1	162	31	1505·2	148	18	1507·6	156	26
5200							1506·5	158	23	1508·7	166	31
5400							1507·8	169	29	1509·9	178	36
5600										1511·2	189	43
5800												
6000												
6200												
6400												
6600												
6800												
7000												
7200												
7400												
7600												

Table 11a.—Continued

Areas:	37			38			39			40		
		Corrections.			Corrections.			Corrections.			Corrections.	
Depth, Fms.	Velocity.	1463.	1500.	Velocity.	1463.	1500.	Velocity.	1463.	1500.	Velocity.	1463.	1500.
200	1521	8	3	1527	9	4	1526	9	4	1527	9	4
400	1516	14	4	1518	15	5	1511	13	3	1515	14	4
600	1512	20	5	1513	21	5	1503	16	1	1510	19	4
800	1508	25	4	1511	26	6	1498	20	− 1	1507	24	4
1000	1504	29	3	1509	32	6	1495	22	− 3	1506	30	4
1200	1503	33	2	1508	37	8	1494	25	− 5	1506	35	5
1400	1502	37	2	1506	41	6	1493	29	− 7	1507	42	7
1600	1501	42	1	1505	46	5	1492	32	− 9	1508	49	9
1800	1500	46	0	1504	50	5	1492	36	−10	1509	57	11
2000	1499	49	− 1	1504	56	5	1492	40	−11	1510	64	13
2200	1499	54	− 1	1503	60	4	1493	45	−10	1511	73	16
2400	1499	60	− 1	1503	66	5	1493	50	−11	1513	82	21
2600	1499	65	− 1	1503	71	5	1494	57	−10	1514	91	24
2800	1500	71	0	1503	77	6	1495	62	− 9	1516	102	30
3000	1500	77	0	1503	82	6	1496	68	− 8	1517	112	34
3200	1501	84	1	1503	88	6	1497	76	− 6	1519	125	41
3400	1502	91	5	1504	93	9	1499	85	− 2	1521	134	46
3600	1502	97	5	1505	105	12	1500	92	0	1522·1	148	54
3800	1503	105	8	1506	113	15	1501	102	3	1523·6	161	61
4000	1504	114	11	1506·8	121	18	1503	111	8	1525·2	175	68
4200	1505	122	14	1507·6	130	22	1504	119	11	1527·1	188	76
4400	1506·0	131	18	1508·6	139	26	1505	125	16	1528·7	202	84
4600	1507·1	141	22	1509·7	149	31	1507	141	22			
4800	1508·2	152	27				1508	152	27			
5000	1509·3	162	32				1510	163	34			
5200							1511	177	39			
5400							1513	191	48			
5600							1515	206	57			
5800							1516	218	64			
6000							1518	234	75			
6200							1520	247	84			
6400							1521	262	93			
6600							1523	278	104			
6800							1524·3	296	114			
7000							1526·0	313	126			
7200							1527·6	331	136			
7400							1529·2	348	148			
7600							1530·8	367	162			

TABLE 11a.—Continued

Areas:	41			42			43			44		
		Corrections.			Corrections.			Corrections.			Corrections.	
Depth, fm.	Velocity.	1463.	1500.	Velocity.	1463.	1500.	Velocity.	1463.	1500.	Velocity.	1463.	1500.
200	1520	9	4	1504	5	1	1499	4	−1			
400	1514	14	4	1499	10	0	1497	7	−3			
600	1504	17	2	1496	14	−2	1496	9	−6			
800	1499	20	−1	1493	16	−4	1496	12	−7			
1000	1496	23	−3	1492	20	−5	1496	16	−9	1480	12	−18
1200	1494	26	−5	1491	23	−7	1485	18	−12	1480	14	−18
1400	1493	29	−7	1490	26	−9	1485	21	−14	1480	16	−19
1600	1492	32	−9	1490	30	−11	1485	24	−16	1480	19	−21
1800	1491	34	−11	1490	33	−12	1485	27	−18	1481	22	−23
2000	1491	38	−12	1489	36	−14	1485	30	−20	1482	26	−24
2200	1492	44	−12	1490	41	−15	1486	35	−21	1482	29	−26
2400	1492	48	−13	1490	46	−16	1487	39	−21	1484	34	−26
2600	1492	52	−14	1491	50	−16	1488	45	−21	1485	39	−26
2800	1493	58	−13	1492	57	−15	1489	51	−21	1486	45	−26
3000	1494	64	−12	1493	62	−14	1490	57	−20	1487	50	−26
3200	1495	71	−11	1494	69	−13	1492	64	−17	1489	57	−23
3400	1496	78	−9	1495	75	−11	1493	71	−16	1490	63	−23
3600	1497	85	−7	1496	82	−10	1494	77	−15	1491	71	−22
3800	1498	92	−5	1497	84	−8	1496	85	−13	1493	79	−18
4000	1499	101	−3	1498	96	−5	1499·5	93	−10	1494	87	−6
4200	1501	111	3	1500	108	0	1497·8	102	−6	1496	96	−11
4400	1502	119	6	1501	118	3	1499·1	110	−3	1497	105	−9
4600	1503	128	9	1503	128	9	1500·2	119	1	1499	115	−3
4800	1504	139	13	1504	137	12	1501·4	128	5	1500	125	0
5000	1506	140	20	1506	146	17	1502·6	136	9	1502	136	7
5200	1507	162	25	1507	159	25				1504	148	14
5400	1509	173	33	1508	172	30				1505	161	19
5600	1510	187	39	1510	183	36				1507	175	27
5800	1512	202	46	1511	198	44				1508·6	187	34
6000	1514	213	56	1513	209	52				1510·2	201	43
6200	1515	225	63	1514	226	60				1511·8	214	50
6400	1516	242	71	1516	242	71				1513·5	229	60
6600	1518	259	83	1518	254	81				1515·1	244	69
6800	1520	271	90	1519	272	90				1516·8	260	79
7000	1521	291	103	1521	291	108				1518·3	273	89
7200	1523	308	113	1523	310	116				1520·1	293	100
7400	1524	324	124	1525	327	127				1521·8	310	112
7600	1526	344	138	1526·3	343	139						
7800	1528	356	140	1528·0	360	152						
8000	1529	381	163	1529·8	380	166						
8200	1531	402	179	1531·3	399	178						
8400	1532	424	190	1532·7	416	190						
8600	1534	443	206									
8800	1536	463	219									
9000	1537·3	482	235									
9200	1538·9	502	251									
9400	1540·6	520	267									
9600	1542·2	540	286									
9800	1543·9	573	302									
10000	1545·5	588	319									

Table 11a.—Continued

Areas:	45			46			47			48		
Depth, Ms.	Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.	
		1463.	1500.		1463.	1500.		1463.	1500.		1463.	1500.
200	1466	0	−5	1524	9	3	1503	5	0	1507	6	1
400	1467	1	−8	1517	15	4	1503	11	1	1507	12	2
600	1468	2	−13	1510	19	4	1504	17	2	1508	18	3
800	1469	3	−17	1505	23	3	1506	23	3	1510	26	5
1000	1470	5	−20	1501	27	1	1508	32	5	1511	34	7
1200	1470	6	−24	1499	30	−1	1510	39	8	1513	41	10
1400	1471	8	−27	1497	33	−3	1513	48	12	1515	50	14
1600	1472	10	−30	1496	36	−4	1515	57	16	1516	58	17
1800	1474	14	−31	1495	39	−6				1518	68	22
2000	1475	16	−34	1495	44	−7				1520	79	27
2200	1477	21	−34	1494	47	−9				1522	90	32
2400	1478	25	−35	1494	51	−10				1524	100	39
2600	1479	29	−36	1495	56	−9				1525	112	44
2800	1481	35	−35	1496	64	−7				1527	125	51
3000	1483	41	−34	1497	70	−6				1529	138	59
3200	1484	47	−35	1497	75	−6						
3400	1486	55	−32	1498	83	−5						
3600	1488	62	−29	1500	92	0						
3800	1489	69	−29	1501	100	3						
4000	1491	79	−25	1501·8	108	5						
4200	1493	87	−20	1503·0	117	9						
4400	1494	96	−18	1504·4	126	13						
4600	1496	107	−13	1505·4	135	17						
4800	1498	117	−7									
5000	1499	128	−3									
5200	1501	140	4									
5400	1503	153	11									
5600	1505	164	19									
5800	1506	177	24									
6000	1508	192	33									
6200	1509·8	205	42									
6400	1511·6	226	51									
6600	1513·3	235	61									
6800	1515·0	251	70									
7000	1516·7	267	81									
7200												
7400												
7600												
7800												
8000												
8200												
8400												
8600												
8800												
9000												
9200												
9400												
9600												
9800												
10000												

TABLE 11a.—Continued

Areas:	49			50			51			52		
Depth, Ms.	Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.	
		1463.	1500.		1463.	1500.		1463.	1500.		1463.	1500.
200	1510	6	1	1517	7	2	1537	10	5	1468	1	−4
400	1510	13	3	15[illegible]3	14	3	1536	20	9	1470	2	−8
600	1511	20	4	1513	21	5	1[illegible]36	30	14	1472	4	−11
800	1512	27	6	1514	28	7	[illegible]537	40	20	1474	6	−14
1000	1514	36	9	1516	37	11	15[illegible]	53	25	1476	9	−16
1200	1515	42	12	1517	44	15	1540	63	32	1478	12	−18
1400	1517	52	16	1518	53	18	1542	76	39	1479	15	−20
1600	1518	60	19	1520	62	21	1544	89	47	1481	20	−20
1800	1520	70	24	1521	71	25	1546	102	55	1483	25	−21
2000	1521	80	28	1523	83	31	1548	118	65	1485	30	−20
2200	1523	92	34	1525	95	37	1550	137	74			
2400	1525	102	41	1526	105	42	1552	149	84			
2600	1527	116	48	1528	118	50	1554	165	96			
2800	1529	129	55	1530	131	57	1556	181	106			
3000	1530	140	61	1531·7	144	64						
3200	1532	154	70	1533·5	157	73						
3400	1533·8	168	78	1535·2	170	81						
3600	1535·4	182	89	1537·0	186	91						
3800	1537·2	197	96	1538·8	201	100						
4000	1538·9	213	106	1540·6	217	111						

TABLE 11a.—Continued

Areas:	53			54			55			56		
Depth, Ms.	Velocity.	Corrections. 1463.	Corrections. 1500.	Velocity.	Corrections. 1463.	Corrections. 1500.	Velocity.	Corrections. 1463.	Corrections. 1500.	Velocity.	Corrections. 1463.	Corrections. 1500.
200												
400												
600												
800												
1000												
1200												
1400												
1600												
1800												
2000												
2200												
2400												
2600												
2800												
3000												
3200												
3400												
3600												
3800												
4000												

Table 11b.—Vertical Sounding Velocities in Fathoms per Second to the Depths shown, and Corrections to Depths Shown by Echo Sounder Set to Fixed Velocities of 800 fms/sec. and 820 fms/sec.

Areas:	1			2			3			4		
Depth, Fms.	Velocity.	Corrections. 800.	Corrections. 820.	Velocity.	Corrections. 800.	Corrections. 820.	Velocity.	Corrections. 800.	Corrections. 820.	Velocity.	Corrections. 800.	Corrections. 820.
100	788	− 2	− 4	799	0	− 3	806	1	− 2	802	0	− 2
200	790	− 3	− 7	797	− 1	− 6	805	1	− 4	802	1	− 4
300	792	− 3	−10	797	− 1	− 8	804	2	− 6	802	1	− 7
400	793	− 4	−13	797	− 2	−11	804	2	− 8	803	2	− 8
500	794	− 4	−16	797	− 2	−14	803	2	−10	804	3	−10
600	795	− 4	−18	797	− 2	−17	803	2	−12	804	3	−12
700	796	− 4	−20	798	− 2	−19	803	3	−15	805	4	−13
800	797	− 3	−22	798	− 2	−21	803	3	−17	806	6	−14
900	798	− 2	−24	799	− 1	−23	803	3	−19	806	7	−15
1000	799	− 1	−26	799	− 1	−26	803	4	−21	807	9	−16
1100	799	− 1	−28	800	0	−27	804	6	−22	808	11	−16
1200	800	0	−29	801	2	−28	804	6	−24	809	14	−16
1300	801	2	−30	802	3	−29	805	8	−24	810	16	−16
1400	802	4	−31	802	4	−31	805	9	−26	811	19	−16
1500	803	6	−31	803	6	−31	806	11	−25	811	21	−16
1600	804	8	−32	804	8	−32	806	12	−27	812	24	−16
1700	805	11	−31							813	28	−15
1800	805	12	−33							814	32	−13
1900	806	15	−33							815	36	−11
2000	807	18	−32							816	40	−10
2100	808	22	−31							816	43	−10
2200	809	25	−30							817	48	− 8
2300										818	53	− 6
2400										819	57	− 3
2500										819	61	− 3
2600										820	67	0
2700										821	73	3
2800												
2900												
3000												
3100												
3200												
3300												

Areas:	5			6			7			8		
Depth, Fms.	Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.	
		800.	820.		800.	820.		800.	820.		800.	820.
100	814	2	− 1	807	1	− 1	813	2	− 1	817	2	− 1
200	810	3	− 2	806	2	− 3	810	2	− 2	816	4	− 1
300	808	3	− 4	806	2	− 5	810	4	− 4	815	6	− 2
400	807	4	− 6	806	3	− 7	809	5	− 5	814	7	− 3
500	807	4	− 8	806	4	− 9	808	6	− 7	813	8	− 4
600	807	5	−10	807	5	−10	809	7	− 8	813	10	− 5
700	806	5	−12	807	6	−11	810	9	− 9	813	11	− 6
800	807	7	−13	808	8	−12	810	10	−10	812	12	− 8
900	807	8	−14	809	10	−12	810	11	−11	813	15	− 8
1000	808	10	−15	809	11	−14	811	14	−11	813	15	− 9
1100	809	12	−15	810	14	−14	811	15	−12	813	18	− 9
1200	810	15	−15	810	15	−15	812	18	−12	814	21	− 9
1300	810	16	−16	811	18	−14	812	20	−13	814	23	−10
1400	811	19	−16	812	21	−14	813	23	−12	815	26	− 9
1500	812	23	−15	812	23	−15	814	26	−11	816	30	− 7
1600	813	26	−14	813	26	−14	815	30	−10	816	33	− 8
1700	814	30	−13	814	30	−13	815	33	−11	817	36	− 6
1800	815	34	−11	815	35	−11	816	37	− 9	817	39	− 7
1900	815	36	−11	816	39	− 9	817	41	− 7	818	44	− 5
2000	816	41	−10	817	44	− 7	818	45	− 5	819	47	− 2
2100	817	43	− 8	818	47	− 5	818	49	− 5	819	51	− 3
2200	817	48	− 8	818	50	− 5	819	54	− 3	820	57	0
2300	818	53	− 6				820	59	0	821	62	3
2400	819	57	− 3							822	66	6
2500	819	61	− 3							822	71	6
2600	820	67	0							823	77	10
2700	821	73	3							824	83	14
2800										825	90	18
2900												
3000												
3100												
3200												
3300												

TABLE 11b (continued).—Corrections to depths shown by machines set to fixed velocities of 800

Areas:	9			10			11			12		
Depth, Fms.	Velocity.	Corrections. 800.	Corrections. 820.	Velocity.	Corrections. 800.	Corrections. 820.	Velocity.	Corrections. 800.	Corrections. 820	Velocity.	Corrections. 800.	Corrections. 820.
100	827	3	1	817	2	− 1	824	3	1	833	4	2
200	824	6	1	817	4	− 1	823	6	1	830	8	2
300	822	8	1	817	6	− 1	821	8	0	828	11	3
400	819	9	0	817	9	− 1	820	10	0	826	13	3
500	818	11	− 1	817	11	− 2	820	14	0	824	15	2
600	817	13	− 3	818	14	− 2	819	15	− 1	823	17	2
700	816	14	− 3	818	16	− 2	819	17	− 1	822	19	2
800	816	16	− 4	817	17	− 3	818	18	− 2	821	21	1
900	816	18	− 4	817	19	− 3	818	23	− 2	820	23	0
1000	816	20	− 5	817	21	− 4	818	23	− 2	820	25	0
1100	816	22	− 5	818	25	− 3	818	25	− 3	820	28	0
1200	817	26	− 4	818	27	− 3	818	27	− 3	820	30	0
1300	817	28	− 5	818	30	− 3	818	30	− 3	820	33	0
1400	818	32	− 3	818	32	− 3	819	34	− 2	820	35	0
1500	818	34	− 4	818	34	− 4	819	36	− 2	820	38	0
1600	818	37	− 4	818	37	− 4	819	39	− 2	821	42	2
1700	819	40	− 2	819	40	− 2	820	43	0	821	46	2
1800	819	43	− 2	819	43	− 2	820	46	0	822	50	4
1900	820	48	0	820	48	0	821	50	2	822	54	5
2000	820	51	0	820	50	0	821	54	2	823	57	7
2100	821	57	3	821	58	8	822	59	5	823	62	8
2200	822	61	5	822	63	6	823	63	8	824	66	11
2300	822	65	6	822	67	8	823	68	9	824	71	11
2400	823	71	9	823	71	10	824	72	12	825	75	15
2500	824	75	12				824	77	12	825	81	15
2600	824	81	13				825	84	16	826	87	19
2700	825	87	17				826	91	20	827	91	23
2800							827	98	24	827	98	24
2900							828	102	29	828	105	29
3000							828	106	29	829	111	34
3100										830	115	38
3200										830	125	40
3300										831	133	46
3400										832	139	50
3500										832	146	54
3600										833	155	60
3700										834	163	65
3800										835	170	71
3900										836	179	77
4000										836	188	84
4100										837	198	90
4200										838	208	97
4300										839	219	103
4400										840	230	110
4500										841	241	116
4600										841	251	125
4700										842	262	133
4800										843	273	141
4900										844	[illegible]	151
5000										846	[illegible]	160

TABLE 11b.—Continued

Areas:	13			14			15			16		
Depth. Fms.	Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.	
		800.	820.		800.	820.		800.	820.		800.	820.
100	827	3	1	835	4	2	827	3	1	829	4	1
200	825	6	1	833	8	3	826	7	1	829	7	2
300	824	9	1	831	12	4	826	10	2	817	6	− 1
400	824	12	2	830	15	5	826	13	3	816	8	− 2
500	823	14	2	828	18	5	825	16	3	815	10	− 3
600	823	17	2	826	20	4	825	19	4	815	11	− 4
700	822	19	2	824	21	3	824	21	3	815	13	− 4
800	822	22	2	824	24	4	824	24	4	815	15	− 5
900	822	25	2	823	26	3	824	27	4	815	17	− 6
1000	822	28	2	822	28	2	824	30	5	815	19	− 6
1100	821	29	1	822	30	3	823	32	4	815	21	− 7
1200	821	33	1	822	33	3	823	35	4	816	24	− 6
1300	821	34	2	822	36	3	823	38	5	816	26	− 6
1400	822	39	3	822	39	3	823	40	5	817	30	− 5
1500	822	42	4	822	42	4	823	44	6	817	32	− 6
1600	822	44	4	823	46	6	823	47	6	818	37	− 4
1700	822	48	4	823	49	6	824	51	8	819	41	− 2
1800	823	52	7	823	52	7	824	54	9	820	45	0
1900	823	55	7	823	56	7	824	57	9	820	48	0
2000	823	59	7	824	60	10	824	62	10			
2100	824	63	10	824	65	10	825	66	13			
2200	824	68	11	825	69	14	825	71	14			
2300	825	72	14	825	74	14	826	75	17			
2400	825	77	15	826	78	18	826	80	18			
2500	826	84	18	826	84	18	827	84	22			
2600	827	88	23	827	91	23	827	91	23			
2700	827	91	23	828	95	27	828	95	27			
2800				828	101	31						
2900				829	105	32						
3000				829	111	34						
3100				830	121	39						
3200				831	125	43						
3300				831	133	46						
3400				832	139	52						
3500												
3600												
3700												
3800												
3900												
4000												
4100												
4200												
4300												
4400												
4500												
4600												
4700												
4800												
4900												
5000												

TABLE 11b.—Continued

Areas:	17			18			19			20		
Depth. Fms.	Velocity.	Corrections. 800.	Corrections. 820.	Velocity.	Corrections. 800.	Corrections. 820.	Velocity.	Corrections. 800.	Corrections. 820.	Velocity.	Corrections. 800.	Corrections. 820.
100	834	4	2	838	5	2	831	4	2	826	3	1
200	829	7	2	833	8	3	827	7	2	824	6	1
300	825	9	2	829	11	3	823	9	1	820	8	0
400	823	11	1	827	13	3	820	10	0	818	9	− 1
500	821	13	1	824	15	2	818	12	− 1	816	10	− 2
600	818	14	− 1	822	17	1	817	13	− 2	815	11	− 4
700	817	15	− 3	821	18	1	816	14	− 3	814	12	− 5
800	818	18	− 2	820	20	0	815	15	− 5	814	14	− 6
900	817	19	− 3	819	21	− 1	815	17	− 6	814	16	− 7
1000	817	21	− 4	819	24	− 1	815	19	− 6	814	18	− 7
1100	818	25	− 3	819	26	− 1	815	21	− 7	815	21	− 7
1200	818	27	− 3	819	29	− 1	816	24	− 6	815	23	− 7
1300	818	30	− 3	820	33	0	816	26	− 6	815	25	− 8
1400	818	32	− 3	820	35	0	816	28	− 7	816	28	− 7
1500	819	36	− 2	821	40	2	817	32	− 6	816	30	− 7
1600	819	39	− 2	821	42	2	817	35	− 6	817	34	− 6
1700	820	43	0	821	46	2	818	39	− 4	817	37	− 6
1800	821	47	2	822	51	4	819	43	− 2	818	41	− 4
1900	821	51	2	823	55	7	819	46	− 2	819	45	− 2
2000	822	56	5	823	59	7	820	50	0	819	49	− 2
2100	823	62	8	824	63	10	820	54	0	820	53	0
2200	824	68	11	824	68	11	821	59	3	820	57	0
2300	825	72	14	825	74	14	822	63	6	821	62	3
2400	825	77	15	826	80	18	822	68	6	822	66	6
2500	826	84	18	827	87	22	823	74	9	822	71	6
2600	827	88	23	828	91	26	824	81	13	823	77	10
2700	827	94	23	828	98	27	825	87	17	824	84	13
2800	828	101	28	829	105	31						
2900				830	112	36						
3000				831	116	40						
3100				831	124	43						
3200				832	133	48						
3300				833	142	54						

TABLE 11b.—Continued

Areas:	21			22			23			24		
Depth. Fms.	Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.	
		800.	820.		800.	820.		800.	820.		800.	820.
100	813	2	−1	820	3	0	807	1	−1	804	1	−2
200	813	3	−2	816	4	−1	807	2	−3	804	1	−4
300	813	5	−3	814	5	−2	808	3	−4	804	2	−6
400	813	7	−3	812	6	−4	808	4	−6	805	3	−7
500	814	9	−4	811	7	−5	809	6	−7	805	3	−9
600	814	10	−4	810	8	−7	809	7	−8	805	4	−11
700	814	12	−5	810	9	−9	809	8	−9	806	5	−12
800	814	14	−6	810	10	−10	809	9	−11	806	6	−14
900	814	16	−7	810	11	−11	809	10	−12	807	8	−14
1000	814	18	−7	810	13	−12	810	13	−12	808	10	−15
1100	814	19	−8	811	15	−12	810	14	−12	808	11	−16
1200	814	21	−9	811	17	−13	811	16	−13	809	14	−16
1300	814	23	−10	812	20	13	811	18	−14	810	16	−16
1400	815	26	−9	813	23	−12	812	21	−14	810	18	−17
1500	815	28	−9	813	25	−13	812	23	−15	811	21	−16
1600	815	31	−10	814	29	−12	813	26	−14	812	24	−16
1700	816	34	−8	815	32	−11	814	30	−13	812	26	−17
1800	816	37	−9	815	35	−11	814	32	−13	813	30	−15
1900	817	40	−7	816	39	−9	815	36	−11	814	34	−14
2000	817	44	−7	817	44	−7	816	40	−10	815	37	−12
2100	818	49	−5	818	47	−5	816	43	−10	815	40	−13
2200	819	52	−3	818	51	−5	817	48	−8	816	45	−11
2300	819	56	−3	819	56	−3	818	53	−6	817	49	−9
2400	820	62	0	820	60	0	819	57	−3	817	53	−9
2500	821	68	3	820	64	0	819	61	−3	818	58	−6
2600	822	74	6	821	71	3	820	67	0			
2700	823	80	10	822	74	7	821	70	3			
2800				822	77	7	821	74	3			
2900												
3000												
3100												
3200												
3300												

TABLE IIb.—Continued

Areas	25			26			27			28		
Depth, Fms.	Velocity.	Corrections. 800.	Corrections. 820.	Velocity.	Corrections. 800.	Corrections. 820.	Velocity.	Corrections. 800.	Corrections. 820.	Velocity.	Corrections. 800.	Corrections. 820.
100	800	0	− 2	798	− 1	− 3	792	− 1	− 4	790	− 1	3
200	800	0	− 5	797	− 1	− 6	794	2	− 6	793	− 2	7
300	801	0	− 7	798	− 1	− 8	796	− 2	− 9	794	− 2	− 9
400	802	1	− 9	799	0	− 10	797	− 2	− 11	796	− 2	12
500	802	1	− 11	800	0	12	798	− 1	− 13	797	− 2	− 14
600	803	2	12	801	1	− 14	799	− 1	− 15	798	− 2	− 16
700	804	4	− 14	802	2	− 15	800	0	− 17	799	− 1	− 18
800	804	4	− 16	802	2	− 18	801	1	− 19	800	0	− 20
900	805	6	− 17	803	3	− 19	802	2	− 20	801	1	21
1000	806	8	− 17	804	5	− 20	803	4	− 21	802	3	22
1100	807	10	− 18	805	7	− 20	804	6	− 22	803	4	− 23
1200	807	11	− 19	806	9	− 21	804	6	− 24	804	6	− 24
1300	808	13	− 19	806	10	− 22	805	8	− 24	804	7	− 26
1400	809	16	− 19	807	12	− 22	806	11	− 24	805	9	− 26
1500	809	17	− 20	808	15	− 22	807	13	− 24	806	11	− 25
1600	810	20	− 20	809	18	− 22	807	14	− 26	807	14	− 26
1700	811	24	− 19	810	21	− 21	808	17	− 25	808	17	− 25
1800	812	28	− 18	810	23	− 22	809	21	− 24	808	18	− 27
1900	813	31	− 16	811	27	− 21	810	24	− 23	809	22	− 26
2000	813	33	− 17	812	31	− 20	811	28	− 22	810	26	− 25
2100	814	38	− 15	813	35	− 18	812	32	− 21	811	30	− 23
2200	815	42	− 14	814	40	− 16	812	34	− 22	812	33	− 22
2300	816	46	− 11	815	43	− 14	813	38	− 20	812	36	− 23
2400	816	49	− 12	815	46	− 15	814	43	− 18	813	40	− 21
2500	817	55	− 9	816	52	− 12	815	48	− 18	814	45	− 18
2600	818	59	− 6	817	57	− 10	816	54	− 13	815	50	− 16
2700	818	61	− 7	818	63	− 7	817	59	− 10	816	56	13
2800												
2900												
3000												
3100												
3200												
3300												
3400												
3500												
3600												
3700												
3800												

TABLE 11b.—Continued

Areas	29			30			31			32		
Depth, Fms	Velocity	Corrections 800.	Corrections 820.	Velocity	Corrections 800.	Corrections 820.	Velocity	Corrections 800.	Corrections 820.	Velocity	Corrections 800.	Corrections 820.
100	791	1	4	788	2	4	824	3	1	826	3	1
200	793	2	7	791	2	7	821	5	0	823	6	1
300	795	2	9	793	3	10	819	7	0	822	8	1
400	796	2	12	794	3	13	818	9	1	821	11	0
500	797	2	14	795	3	15	817	11	2	821	13	1
600	798	2	16	796	3	18	816	12	3	820	15	0
700	799	1	18	797	3	20	816	14	3	818	16	2
800	800	0	20	798	2	21	815	15	5	818	18	2
900	800	0	22	799	1	23	815	17	6	817	19	3
1000	801	1	23	799	1	26	815	19	6	817	21	4
1100	802	3	24	800	0	27	815	21	7	817	24	4
1200	803	5	25	801	2	28	815	23	7	817	26	4
1300	803	5	27	802	3	29	815	25	8	817	28	5
1400	804	7	28	803	5	29	816	28	7	817	30	5
1500	805	9	27	804	8	29	816	30	7	817	32	6
1600	806	12	28	805	10	30	816	33	8	817	35	6
1700	806	13	29	805	11	31	817	36	6	818	38	4
1800	807	16	28	806	14	31	817	39	7	818	41	4
1900	808	19	28	807	17	30	818	43	5	819	45	2
2000	809	23	27	808	20	30	818	46	5	819	49	2
2100	810	27	26	809	24	28	819	50	3	820	53	0
2200	811	30	24	810	28	27	819	54	3	820	57	0
2300	811	33	26	810	30	26	820	57	0	821	60	3
2400	812	37	24	811	34	27	820	62	0	821	65	3
2500	813	42	22	812	39	25	821	68	3	822	71	6
2600	814	46	19	813	44	23	822	72	6	823	75	10
2700	814	49	20	814	[illegible]	[illegible]	822	74	7	824	78	10
2800	815	54	18									
2900	816	60	15									
3000	817	64	11									
3100	817	68	11									
3200	818	73	8									
3300	819	78	4									
3400	819	84	4									
3500	820	91	0									
3600	821	99	4									
3700	822	106	5									
3800	824	115	5									

TABLE 126.—Continued.

Areas:	33			34			35			36		
Depth, Fms.	Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.	
		800.	820.		800.	820.		800.	820.		800.	820.
100	832	4	2	831	4	2	832	4	2	832	4	2
200	826	7	1	826	7	1	826	7	1	828	7	2
300	824	9	1	823	9	1	822	8	1	825	9	2
400	821	10	0	821	10	0	820	10	0	823	11	1
500	820	13	0	820	13	0	818	11	− 1	821	13	1
600	819	14	1	820	15	0	818	14	− 1	820	15	6
700	819	17	1	819	17	− 1	817	15	− 3	819	17	− 1
800	818	18	2	819	19	− 1	816	16	− 4	819	19	− 1
900	818	20	2	818	20	− 2	816	18	− 4	818	20	− 2
1000	817	21	4	818	23	− 2	816	20	− 5	818	23	− 2
1100	817	24	4	818	25	− 3	816	22	− 5	818	25	− 3
1200	817	26	4	818	27	− 3	816	24	− 6	818	27	− 3
1300	817	28	4	818	30	− 3	816	26	− 6	818	30	− 3
1400	818	32	3	818	32	− 3	816	28	− 7	818	32	− 3
1500	818	34	− 4	818	34	− 4	816	30	− 7	818	34	− 4
1600	818	36	− 4	818	37	− 4	817	34	− 6	818	37	− 4
1700	818	39	4	819	40	− 2	817	36	− 6	819	40	− 2
1800	818	41	− 4	819	43	− 2	817	39	− 7	819	43	− 2
1900	819	45	− 2	820	48	0	818	44	− 5	820	48	0
2000	820	50	0	820	51	0	819	47	− 2	820	51	0
2100	820	54	0	821	55	3	819	51	− 3	821	55	3
2200	821	58	3	821	59	3	820	55	0	821	59	3
2300	821	62	3	822	63	6	820	59	0	822	65	6
2400	822	66	6	822	68	6	821	65	3	823	69	9
2500	823	72	9	823	74	9	822	69	6	823	74	9
2600	823	77	10	824	81	13	822	74	6	824	78	13
2700	824	84	13	825	87	17	823	78	10	824	84	13
2800							823	83	10	825	88	17
2900							824	90	14	825	94	18
3000							825	96	19	825	98	19
3100							826	100	23	826	102	24
3200							826	108	24	827	112	28
3300							827	116	29			
3400												
3500												
3600												
3700												
3800												
3900												
4000												
4100												

TABLE 11b. Continued

Areas:	37			38			39			40		
Depth, Fms.	Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.	
		800.	820.		800.	820.		800.	820.		800.	820.
100	832	4	2	835	4	2	834	4	2	835	4	2
200	829	7	2	831	8	3	826	7	2	828	7	2
300	827	10	3	828	11	3	823	9	1	826	10	2
400	825	13	2	827	13	3	820	10	0	825	12	2
500	823	14	2	825	16	3	818	11	-1	824	15	2
600	822	17	1	825	19	4	817	13	-2	823	17	2
700	821	18	1	824	21	3	816	14	-3	824	21	3
800	820	20	0	823	23	3	816	16	4	824	24	4
900	820	23	0	823	26	3	816	18	4	825	28	6
1000	819	24	-1	822	28	2	816	20	5	825	31	6
1100	819	26	-1	822	30	3	816	22	5	826	36	8
1200	819	29	-1	822	33	3	816	24	-6	826	39	9
1300	820	33	0	821	34	2	816	26	6	827	44	11
1400	820	35	0	821	37	2	817	30	5	828	49	14
1500	820	38	0	820	41	0	817	32	-6	828	53	15
1600	820	40	0	821	43	2	818	36	-4	829	59	18
1700	820	43	0	822	47	4	818	39	4	830	65	21
1800	820	46	0	822	50	4	819	43	2	831	70	24
1900	821	51	2	822	52	5	820	48	-2	832	78	28
2000	822	55	5	822	56	5	820	50	0	833	84	32
2100	822	58	5	823	60	8	821	55	3	833	89	34
2200	822	62	5	823	65	8	822	61	5	834	96	38
2300	823	66	9	824	69	11	822	65	6	835	101	43
2400	823	71	9	824	74	12	823	71	9	836	111	48
2500	824	75	12	825	78	15	824	75	12			
2600	824	81	13	825	84	16	825	81	16			
2700	825	87	17	826	91	20	825	87	17			
2800							826	91	21			
2900							827	101	26			
3000							828	109	30			
3100							829	112	35			
3200							829	121	37			
3300							830	129	42			
3400							831	137	48			
3500							832	140	51			
3600							832	150	55			
3700							833	160	61			
3800							834	169	68			
3900							835	179	75			
4000							836	189	82			
4100							837	199	89			

TABLE 11b. Continued

Areas:	41			42			43			44		
Depth, Fms.	Velocity.	Corrections. 800.	Corrections. 820.	Velocity.	Corrections. 800.	Corrections. 820.	Velocity.	Corrections. 800.	Corrections. 820.	Velocity.	Corrections. 800.	Corrections. 820.
100	837	5	2	822	3	1	814	2	- 1			
200	829	7	2	820	5	0	813	3	- 2			
300	823	9	1	819	7	0	813	5	- 3			
400	820	10	0	817	8	- 1	813	6	- 3			
500	819	12	- 1	817	11	- 2	812	8	- 5			
600	817	13	- 2	816	12	- 3	812	9	- 6	809	7	- 8
700	817	15	- 3	815	13	- 4	812	10	- 7	809	8	- 9
800	816	16	- 4	815	15	- 5	812	12	- 8	809	9	-11
900	816	18	- 4	814	16	- 7	812	13	- 9	809	10	-12
1000	815	19	- 6	814	18	- 7	812	15	-10	809	11	-14
1100	815	21	- 7	814	19	- 8	812	17	-11	810	14	-14
1200	815	24	- 6	814	21	- 9	812	18	-12	810	15	-15
1300	816	26	- 6	815	25	- 8	813	21	-11	811	18	-14
1400	816	28	- 7	815	26	- 9	813	23	-12	811	19	-16
1500	816	30	- 7	815	28	- 9	814	26	-11	812	23	-15
1600	817	34	- 6	816	32	- 8	815	30	-10	813	26	-14
1700	817	37	- 6	816	35	- 8	815	33	-10	814	30	-13
1800	818	41	- 4	817	38	- 7	816	36	- 9	815	34	-11
1900	818	44	- 2	817	41	- 7	816	39	- 9	815	36	-11
2000	819	47	- 2	818	45	- 5	817	44	- 7	816	40	-10
2100	819	51	- 3	818	49	- 5	818	47	- 5	816	43	-10
2200	820	55	0	819	54	- 3	818	51	- 5	817	48	- 8
2300	820	59	0	820	59	0	819	56	- 3	818	53	- 6
2400	821	65	3	821	65	3	820	60	0	819	57	- 3
2500	822	71	6	822	69	6	820	64	0	819	61	- 3
2600	823	75	10	822	74	6	821	71	3	820	67	0
2700	823	80	10	823	78	10	822	74	7	821	73	3
2800	824	87	14	823	83	10	822	77	7	822	80	7
2900	825	91	18	824	90	14				823	83	11
3000	825	96	19	825	96	19				823	88	11
3100	826	105	24	826	105	24				824	96	16
3200	827	112	28	827	108	27				825	104	20
3300	828	116	32	827	116	31						
3400	828	124	35	828	124	35						
3500	829	132	40	829	132	40						
3600	830	141	46	830	141	46						
3700	831	150	52	831	150	52						
3800	832	157	56	831	157	56						
3900	832	164	60	832	164	60						
4000	833	174	67	833	174	67						
4100	834	183	74	834	183	74						
4200	835	190	77	835	190	77						
4300	835	197	83	836	200	83						
4400	836	208	90	836	208	90						
4500	837	220	98	837	220	98						
4600	838	231	107	838	231	107						
4700	839	242	115									
4800	840	251	117									
4900	840	260	127									
5000	841	272	136									
5100	842	285	147									
5200	843	299	155									
5300	844	308	157									
5400	844	317	169									
5500	845	331	179									

TABLE 12b. Continued

Areas:	45			46			47			48		
Depth, Fms.	Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.	
		800.	820.		800.	820.		800.	820.		800.	820.
100	(802)	0	−2	833	4	2	822	3	0	824	3	1
200	(802)	1	−4	830	8	2	822	6	0	824	6	1
300	(802)	1	−7	826	10	2	822	9	1	824	9	1
400	(803)	1	−8	824	12	2	823	12	1	825	13	2
500	803	2	−10	821	13	1	824	15	2	826	16	4
600	804	3	−12	820	15	0	825	19	4	827	20	5
700	804	4	−14	819	17	−1	826	23	5	828	25	7
800	805	5	−15	818	18	−2	827	27	7	828	28	8
900	805	6	−15	817	19	−3	828	31	9	829	33	10
1000	806	8	−17	817	21	−4				830	38	12
1100	807	10	−18	817	24	−4				831	43	15
1200	807	11	−19	817	26	−4				832	48	18
1300	808	13	−19	817	28	−5				833	54	21
1400	809	16	−19	817	30	−5				834	60	24
1500	810	19	−18	818	34	−4				835	67	27
1600	810	20	−20	818	36	−4				835	70	30
1700	811	24	−19	818	40	−4						
1800	812	28	−18	819	43	−2						
1900	813	32	−16	819	46	−2						
2000	814	36	−15	820	51	0						
2100	815	40	−13	821	55	3						
2200	816	44	−11	821	59	3						
2300	816	47	−11	822	63	6						
2400	817	53	−9	822	68	6						
2500	818	58	−6	823	74	9						
2600	819	64	−3									
2700	820	68	0									
2800	820	72	0									
2900	821	78	4									
3000	822	85	7									
3100	823	92	12									
3200	824	99	16									
3300	825	107	21									
3400	826	115	26									
3500												
3600												
3700												
3800												
3900												
4000												
4100												
4200												
4300												
4400												
4500												
4600												
4700												
4800												
4900												
5000												
5100												
5200												
5300												
5400												
5500												

TABLE 11b.—Continued

Areas:	49			50			51			52		
Depth, Fms.	Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.		Velocity.	Corrections.	
		800.	820.		800.	820.		800.	820.		800.	820.
100	825	3	1	829	4	1	840	5	2	803	0	−2
200	825	6	1	827	7	2	839	10	5	804	1	−4
300	826	10	2	827	10	3	840	15	7	805	2	−6
400	826	13	3	828	14	4	840	20	10	806	3	−7
500	827	17	4	828	18	5	841	26	13	806	4	−9
600	828	21	6	829	22	7	842	32	16	807	5	−10
700	829	25	8	830	26	9	843	38	20	808	7	−10
800	829	29	9	830	30	10	844	44	23	809	9	−11
900	830	34	11	831	35	12	845	51	27	810	11	−11
1000	831	39	14	832	40	15	845	56	31	811	14	−11
1100	832	44	16	833	45	18	846	63	35			
1200	833	50	19	833	50	19	848	72	41			
1300	833	54	21	834	56	22	848	81	45			
1400	834	60	24	835	62	26	850	89	52			
1500	835	67	27	836	68	29	851	97	58			
1600	836	73	32	837	75	34						
1700	837	80	36	838	83	38						
1800	838	87	40	839	90	42						
1900	839	95	44	840	97	47						
2000	840	103	49	841	103	52						
2100	841	108	54	841	110	55						
2200	841	113	56	842	119	61						
2300												
2400												
2500												
2600												
2700												
2800												
2900												
3000												
3100												
3200												

TABLE 12 Current Factors for Values of Latitude

$$c = \frac{1}{2\omega \sin \phi \; 10^5}$$

where

ω = angular velocity of earth's rotation, equal to 0.729×10^{-4} radians per second,

ϕ = latitude in degrees.

Example:

Given, latitude of 30°N.

From above equation, c= 0.1371

Current factor, c, is used in the following equation to obtain current velocity.

$$V = \frac{c(D_A - D_B)\,(n)}{L}$$

where

V = average current velocity normal to a line between stations A and B,

D_A-D_B = dynamic height difference between stations A and B,

L = distance between stations A and B,

n = unit conversion factor, dependent upon the units of the other variables. **If units of V, D_A-D_B, and L are as shown, then n will have the indicated** values

V	D_A-D_B	L	n
m/sec	dyn. m	meters	10^5
cm/sec	dyn. m	kilometers	10^5
cm/sec	dyn. m	nautical miles	53959
knots	dyn. m	kilometers	1942.6
knots	dyn. m	nautical miles	1048.2

Current Factor

Latitude (degrees)	0	1	2	3	4	5	6	7	8	9
0			1.9646	1.3101	0.9829	0.7867	0.6560	0.5626	0.4927	0.4383
10	0.3949	0.3594	.3298	.3048	.2834	.2649	.2488	.2345	.2219	.2106
20	.2005	.1913	.1830	.1755	.1686	.1622	.1564	.1510	.1461	.1414
30	.1371	.1331	.1294	.1259	.1226	.1195	.1167	.1139	.1114	.1090
40	.1067	.1045	.1025	.1005	.0987	.0970	.0953	.0938	.0923	.0909
50	.0895	.0882	.0870	.0859	.0848	.0837	.0827	.0817	.0809	.0800
60	.0792	.0784	.0777	.0770	.0763	.0757	.0751	.0745	.0740	.0735
70	.0730	.0725	.0721	.0717	.0713	.0710	.0707	.0704	.0701	.0699
80	.0696	.0694	.0692	.0691	.0690	.0688	.0687	.0687	.0686	.0685

(Lafond, 1951)

TABLE 13.—Geopotential Distances from the Sea Surface to Stated Isobaric Surfaces in Sea Water

p (decibars)	$D_{35,o,p}$ (dynamic meters)	p (decibars)	$D_{35,o,p}$ (dynamic meters)	p (decibars)	$D_{35,o,p}$ (dynamic meters)
10	9.7262	400	388.6965	2500	2417.8360
20	19.4520	500	485.7584	3000	2898.2041
30	29.1773	600	582.7759	3500	3377.5445
40	38.9021	800	776.6777	4000	3855.8733
50	48.6265	1000	970.4032	4500	4333.2053
75	72.9356	1200	1163.9534	5000	4809.5559
100	97.2417	1400	1357.3295	6000	5759.3685
150	145.8457	1600	1550.5327	8000	7647.8173
200	194.4382	1800	1743.5639	10000	9522.0255
300	291.5898	2000	1936.4246		

(Lafond, 1951)

TABLE 14.—Areas Covered by Pelagic Sediments (see Figure 9, Section II)

	Atlantic Ocean		Pacific Ocean		Indian Ocean		Total	
	Area*	%	Area*	%	Area*	%	Area*	%
Calcareous oozes:								
Globigerina.....	40.1		51.9		34.4			
Pteropod........	1.5							
Total.........	41.6	67.5	51.9	36.2	34.4	54.3	127.9	47.7
Siliceous oozes:								
Diatom..........	4.1		14.4		12.6			
Radiolarian			6.6		0.3			
Total.........	4.1	6.7	21.0	14.7	12.9	20.4	38.0	14.2
Red clay.........	15.9	25.3	70.3	49.1	16.0	25.3	102.2	38.1
*(Millions Km^2)	61.6	100.0	143.2	100.0	63.3	100.0	268.1	100.0

(Sverdrup, Johnson, and Fleming, 1942)

TABLE 15.—Heat Budget of the Total Ocean

Latitude	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°
Heat gain										
Direct solar radiation after allowing for cloudiness	202	255	267	233	171	107	80	58	44	39
Diffuse radiation	166	129	106	99	98	95	73	54	41	36
Total heat gain	368	384	373	332	269	202	153	112	85	75
Heat loss										
Effective back-radiation	118	134	144	143	133	116	121	126	131	137
Evaporation heat	164	170	176	160	125	78	36	13	6	0
Convection	45	45	40	35	20	20	20	20	20	20
Total heat loss	327	349	360	338	278	214	177	159	157	157
Gains-losses	+41	+35	+13	-6	-9	-12	-24	-47	-72	-82

(Defant, 1961)

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SECTION IV

Tables for Computations and Conversions

TABLE 1

Specific Volume of Sea Water, $\alpha_{s,t,p}$ for Salinity 35‰, Temperature 0° C., and Stated Values of Pressure

Pressure (decibars)	0	100	200	300	400	500	600	700	800	900
0..........	0.97264	0.97219	0.97174	0.97129	0.97084	0.97040	0.96995	0.96951	0.96907	0.96863
1,000......	.96819	.96775	.96732	.96688	.96645	.96602	.96559	.96516	.96473	.96430
2,000......	.96388	.96345	.96303	.96261	.96219	.96177	.96136	.96094	.96053	.96011
3,000......	.95970	.95929	.95888	.95848	.95807	.95766	.95726	.95686	.95646	.95606
4,000......	.95566	.95526	.95486	.95447	.95407	.95368	.95329	.95289	.95251	.95212
5,000......	.95173	.95134	.95096	.95057	.95019	.94981	.94943	.94905	.94867	.94829
6,000......	.94791	.94754	.94717	.94679	.94642	.94605	.94568	.94531	.94494	.94457
7,000......	.94421	.94384	.94348	.94312	.94275	.94239	.94203	.94167	.94132	.94096
8,000......	.94060	.94025	.93989	.93954	.93919	.93883	.93848	.93813	.93778	.93744
9,000......	.93709	.93674	.93640	.93605	.93571	.93537	.93503	.93469	.93434	.93401

(Bjerknes and Sandstrom, 1910)

OCEANOGRAPHIC TABLES 2, 3, AND 4

TEMPERATURE-SALINITY TERM, $10^5\Delta_{s,t}$, OF THE ANOMALY OF SPECIFIC VOLUME FOR VALUES OF TEMPERATURE AND SALINITY

(Adapted from Sverdrup, 1933) (13)

TABLE 2.—Temperature-Salinity Term, $10^5\Delta_{s,t}$, of the Anomaly of Specific Volume for Each Unit of Salinity and Each Tenth of a Degree Temperature

TABLE 3.—Temperature Interpolation for Table 2

TABLE 4.—Salinity Interpolation for Table 2

$$\Delta_{s,t}=0.0273500\,\frac{10^{-3}\sigma_t}{1+10^{-3}\sigma_t}$$

where

σ_t=Sigma-T, related to temperature (T) and salinity (S).

Example:

Given, T=4.55° C. and S=34.40‰.

From table 2 (under S=34.00 and T=4.5)

Approximate $10^5\Delta_{s,t}$ 110.4

Temperature difference=1.0.

Salinity difference= −75.1.

From table 3 (under T=.05 at difference of 1.0)

Temperature interpolation correction 0.5

From table 4 (under difference of −75.1 at S=0.40)

Salinity interpolation correction (same sign as total salinity difference) .... −30.0

$10^5\Delta_{s,t}$=(sum of above) 80.9

TABLE 2 - $10^5\ \Delta_{s,t}$ FOR SALINITY 10.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
-1..	**1944.48** 0.47 -79.73	1944.95 0.49 -79.76	1945.44 0.51 -79.80	1945.95 0.53 -79.84	**1946.47** 0.54 -79.88	**1947.02** 0.56 -79.92	1947.58 0.58 -79.95	1948.16 0.60 -79.99	1948.75 0.61 -80.03	1949.36 0.63 -80.07
0..	1940.67 0.31 -79.36	1940.98 0.32 -79.39	1941.30 0.34 -79.43	1941.64 0.36 -79.47	1941.99 0.37 -79.50	1942.37 0.39 -79.54	1942.75 0.41 -79.58	1943.16 0.42 -79.61	1943.58 0.44 -79.65	1944.02 0.46 -79.69
0..	1940.67 -0.29 -79.36	1940.38 -0.27 -79.32	1940.11 -0.26 -79.29	1939.86 -0.24 -79.25	1939.62 -0.22 -79.21	1939.39 -0.21 -79.18	1939.19 -0.19 -79.14	1939.00 -0.17 -79.11	1938.82 -0.16 -79.07	1938.66 -0.14 -79.04
1..	1938.52 -0.13 -79.00	1938.39 -0.11 -78.97	1938.28 -0.10 -78.94	1938.19 -0.08 -78.90	1938.11 -0.06 -78.87	1938.04 -0.05 -78.83	1938.00 -0.03 -78.80	1937.96 -0.02 -78.77	1937.95 -0.00 -78.73	1937.94 +0.01 -78.70
2..	1937.96 0.03 -78.67	1937.99 0.05 -78.64	1938.03 0.06 -78.60	1938.09 0.08 -78.57	1938.17 0.09 -78.54	1938.26 0.11 -78.51	1938.37 0.12 -78.47	1938.49 0.14 -78.44	1938.62 0.15 -78.41	1938.77 0.17 -78.38
3..	1938.94 0.18 -78.35	1939.12 0.20 -78.31	1939.32 0.21 -78.28	1939.53 0.23 -78.25	1939.75 0.24 -78.22	1939.99 0.25 -78.19	1940.25 0.27 -78.16	1940.52 0.28 -78.13	1940.80 0.30 -78.10	1941.10 0.31 -78.07

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 10.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
4.	1941.41 0.33 -78.04	1941.74 0.34 -78.01	1942.08 0.36 -77.98	1942.44 0.37 -77.95	1942.81 0.38 -77.92	1943.20 0.40 -77.89	1943.59 0.41 -77.86	1944.01 0.43 -77.83	1944.44 0.44 -77.80	1944.88 0.45 -77.77
5.	1945.33 0.47 -77.75	1945.80 0.48 -77.72	1946.29 0.50 -77.69	1946.78 0.51 -77.66	1947.29 0.53 -77.63	1947.82 0.54 -77.60	1948.36 0.55 -77.58	1948.91 0.57 -77.55	1949.48 0.58 -77.52	1950.06 0.59 -77.49
6.	1950.65 0.61 -77.47	1951.26 0.62 -77.44	1951.88 0.63 -77.41	1952.52 0.65 -77.39	1953.16 0.66 -77.36	1953.83 0.68 -77.33	1954.50 0.69 -77.31	1955.19 0.70 -77.28	1955.89 0.72 -77.25	1956.61 0.73 -77.23
7.	1957.33 0.74 -77.20	1958.08 0.75 -77.17	1958.83 0.77 -77.15	1959.60 0.78 -77.12	1960.38 0.79 -77.10	1961.17 0.81 -77.07	1961.98 0.82 -77.05	1962.80 0.83 -77.02	1963.63 0.85 -77.00	1964.48 0.86 -76.97
8.	1965.34 0.87 -76.95	1966.21 0.88 -76.92	1967.09 0.90 -76.90	1967.99 0.91 -76.87	1968.90 0.92 -76.85	1969.82 0.94 -76.82	1970.76 0.95 -76.80	1971.71 0.96 -76.78	1972.67 0.97 -76.75	1973.64 0.99 -76.73
9.	1974.63 1.00 -76.71	1975.63 1.01 -76.68	1976.64 1.02 -76.66	1977.66 1.04 -76.64	1978.70 1.05 -76.61	1979.75 1.06 -76.59	1980.81 1.07 -76.57	1981.88 1.09 -76.54	1982.96 1.10 -76.52	1984.06 1.11 -76.50

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 10.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
10..	1985.17 1.12 -76.48	1986.29 1.13 -76.45	1987.43 1.15 -76.43	1988.57 1.16 -76.41	1989.73 1.17 -76.39	1990.90 1.18 -76.37	1992.09 1.19 -76.34	1993.28 1.21 -76.32	1994.49 1.22 -76.30	1995.71 1.23 -76.28
11..	1996.94 1.24 -76.26	1998.18 1.25 -76.24	1999.43 1.27 -76.22	2000.70 1.28 -76.19	2001.98 1.29 -76.17	2003.27 1.30 -76.15	2004.57 1.31 -76.13	2005.88 1.33 -76.11	2007.21 1.34 -76.09	2008.55 1.35 -76.07
12..	2009.89 1.36 -76.05	2011.25 1.37 -76.03	2012.63 1.38 -76.01	2014.01 1.39 -75.99	2015.40 1.41 -75.97	2016.81 1.42 -75.95	2018.23 1.43 -75.93	2019.66 1.44 -75.91	2021.10 1.45 -75.89	2022.55 1.46 -75.87
13..	2024.01 1.48 -75.85	2025.49 1.49 -75.84	2026.98 1.50 -75.82	2028.47 1.51 -75.80	2029.98 1.52 -75.78	2031.50 1.53 -75.76	2033.03 1.54 -75.74	2034.58 1.55 -75.72	2036.13 1.57 -75.70	2037.70 1.58 -75.69
14..	2039.27 1.59 -75.67	2040.86 1.60 -75.65	2042.46 1.61 -75.63	2044.07 1.62 -75.61	2045.69 1.63 -75.60	2047.32 1.64 -75.58	2048.96 1.65 -75.56	2050.62 1.66 -75.54	2052.28 1.68 -75.53	2053.96 1.69 -75.51
15..	2055.64 1.70 -75.49	2057.34 1.71 -75.47	2059.05 1.72 -75.46	2060.77 1.73 -75.44	2062.50 1.74 -75.42	2064.24 1.75 -75.41	2065.99 1.76 -75.39	2067.75 1.77 -75.37	2069.53 1.78 -75.36	2071.31 1.79 -75.34

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 10.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
16..	2073.10 1.81 -75.32	2074.91 1.82 -75.31	2076.72 1.83 -75.29	2078.55 1.84 -75.27	2080.39 1.85 -75.26	2082.24 1.86 -75.24	2084.09 1.87 -75.23	2085.96 1.88 -75.21	2087.84 1.89 -75.19	2089.73 1.90 -75.18
17..	2091.63 1.91 -75.16	2093.54 1.92 -75.15	2095.46 1.93 -75.13	2097.40 1.94 -75.12	2099.34 1.95 -75.10	2101.29 1.96 -75.09	2103.25 1.97 -75.07	2105.23 1.98 -75.06	2107.21 1.99 -75.04	2109.20 2.00 -75.03
18..	2111.21 2.01 -75.01	2113.22 2.02 -75.00	2115.25 2.04 -74.98	2117.28 2.05 -74.97	2119.33 2.06 -74.95	2121.38 2.07 -74.94	2123.45 2.08 -74.93	2125.53 2.09 -74.91	2127.61 2.10 -74.90	2129.71 2.11 -74.88
19..	2131.81 2.12 -74.87	2133.93 2.13 -74.86	2136.06 2.14 -74.84	2138.19 2.15 -74.83	2140.34 2.16 -74.82	2142.50 2.17 -74.80	2144.66 2.18 -74.79	2146.84 2.19 -74.77	2149.03 2.20 -74.76	2151.22 2.21 -74.75
20..	2153.43 2.22 -74.73	2155.65 2.23 -74.72	2157.87 2.24 -74.71	2160.11 2.25 -74.70	2162.35 2.26 -74.68	2164.61 2.27 -74.67	2166.88 2.28 -74.66	2169.15 2.29 -74.64	2171.44 2.30 -74.63	2173.73 2.31 -74.62
21..	2176.04 2.32 -74.61	2178.35 2.32 -74.59	2180.68 2.33 -74.58	2183.01 2.34 -74.57	2185.36 2.35 -74.56	2187.71 2.36 -74.55	2190.07 2.37 -74.53	2192.45 2.38 -74.52	2194.83 2.39 -74.51	2197.22 2.40 -74.50

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 10.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22..	2199.62 2.41 -74.49	2202.04 2.42 -74.47	2204.46 2.43 -74.46	2206.89 2.44 -74.45	2209.33 2.45 -74.44	2211.78 2.46 -74.43	2214.24 2.47 -74.42	2216.71 2.48 -74.40	2219.19 2.49 -74.39	2221.68 2.50 -74.38
23..	2224.17 2.51 -74.37	2226.68 2.52 -74.36	2229.20 2.53 -74.35	2231.73 2.54 -74.34	2234.26 2.55 -74.33	2236.81 2.56 -74.31	2239.36 2.56 -74.30	2241.93 2.57 -74.29	2244.50 2.58 -74.28	2247.08 2.59 -74.27
24..	2249.67 2.60 -74.26	2252.28 2.61 -74.25	2254.89 2.62 -74.24	2257.51 2.63 -74.23	2260.14 2.64 -74.22	2262.78 2.65 -74.21	2265.42 2.66 -74.20	2268.08 2.67 -74.19	2270.75 2.68 -74.18	2273.42 2.69 -74.17
25..	2276.11 2.69 -74.16	2278.80 2.70 -74.15	2281.51 2.71 -74.14	2284.22 2.72 -74.13	2286.94 2.73 -74.12	2289.67 2.74 -74.11	2292.41 2.75 -74.10	2295.16 2.76 -74.09	2297.92 2.77 -74.08	2300.69 2.78 -74.07
26..	2303.47 2.79 -74.06	2306.25 2.80 -74.05	2309.05 2.80 -74.04	2311.85 2.81 -74.03	2314.67 2.82 -74.02	2317.49 2.83 -74.01	2320.32 2.84 -74.00	2323.16 2.85 -73.99	2326.01 2.86 -73.98	2328.87 2.87 -73.97
27..	2331.74 2.88 -73.96	2334.62 2.89 -73.96	2337.50 2.90 -73.95	2340.40 2.90 -73.94	2343.30 2.91 -73.93	2346.22 2.92 -73.92	2349.14 2.93 -73.91	2352.07 2.94 -73.90	2355.01 2.95 -73.89	2357.96 2.96 -73.88

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 10.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
28..	2360.91 2.97 -73.88	2363.88 2.98 -73.87	2366.86 2.98 -73.86	2369.84 2.99 -73.85	2372.84 3.00 -73.84	2375.84 3.01 -73.83	2378.85 3.02 -73.82	2381.87 3.03 -73.81	2384.90 3.04 -73.81	2387.93 3.05 -73.80
29..	2390.98 3.06 -73.79	2394.04 3.06 -73.78	2397.10 3.07 -73.77	2400.17 3.08 -73.76	2403.26 3.09 -73.76	2406.35 3.10 -73.75	2409.45 3.11 -73.74	2412.55 3.12 -73.73	2415.67 3.13 -73.72	2418.80 3.13 -73.72
30..	2421.93 3.14 -73.71	2425.07 3.15 -73.70	2428.23 3.16 -73.69	2431.39 3.17 -73.68	2434.56 3.18 -73.68	2437.73 3.19 -73.67	2440.92 3.20 -73.66	2444.12 3.20 -73.65	2447.32 3.21 -73.64	2450.53 3.22 -73.64
31..	2453.75 3.23 -73.63	2456.99 3.24 -73.62	2460.22 3.25 -73.61	2463.47 3.26 -73.60	2466.73 3.26 -73.60	2469.99 3.27 -73.59	2473.27 3.28 -73.58	2476.55 3.29 -73.57	2479.84 3.30 -73.57	2483.14 3.31 -73.56
32..	2486.45 3.32 -73.55	2489.76 3.33 -73.54	2493.09 3.33 -73.54	2496.42 3.34 -73.53	2499.76 3.35 -73.52	2503.11 3.36 -73.51	2506.47 3.37 -73.51	2509.84 3.38 -73.50	2513.22 3.38 -73.49	2516.60 3.39 -73.48
33..	2520.00 3.40 -73.48	2523.40 3.41 -73.47	2526.81 3.42 -73.46	2530.23 3.43 -73.46	2533.65 3.44 -73.45	2537.09 3.44 -73.44	2540.53 3.45 -73.43	2543.99 3.46 -73.43	2547.45 3.47 -73.42	2550.92 3.48 -73.41

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 10.00 Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
34..	2554.40 3.49 -73.41	2557.88 3.50 -73.40	2561.38 3.50 -73.39	2564.88 3.51 -73.38	2568.40 3.52 -73.38	2571.92 3.53 -73.37	2575.45 3.54 -73.36	2578.98 3.55 -73.36	2582.53 3.55 -73.35	2586.08 3.56 -73.34
35..	2589.65 3.57 -73.33	2593.22 3.58 -73.33	2596.80 3.59 -73.32	2600.38 3.60 -73.31	2603.98 3.60 -73.31	2607.59 3.61 -73.30	2611.20 3.62 -73.29	2614.82 3.63 -73.29	2618.45 3.64 -73.28	2622.09 3.65 -73.27

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 11.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
-1..	1864.75 0.44 -79.54	1865.19 0.45 -79.58	1865.64 0.47 -79.62	1866.11 0.49 -79.66	1866.60 0.50 -79.69	1867.10 0.52 -79.73	1867.62 0.54 -79.77	1868.16 0.56 -79.81	1868.72 0.57 -79.85	1869.29 0.59 -79.89
0..	1861.32 0.27 -79.18	1861.58 0.29 -79.21	1861.87 0.30 -79.25	1862.17 0.32 -79.29	1862.49 0.33 -79.32	1862.83 0.35 -79.36	1863.18 0.37 -79.40	1863.55 0.39 -79.43	1863.93 0.40 -79.47	1864.33 0.42 -79.51
0..	1861.32 -0.25 -79.18	1861.06 -0.24 -79.14	1860.83 -0.22 -79.11	1860.61 -0.20 -79.07	1860.40 -0.19 -79.04	1860.21 -0.17 -79.00	1860.04 -0.16 -78.97	1859.89 -0.14 -78.93	1859.75 -0.12 -78.90	1859.62 -0.11 -78.86
1..	1859.51 -0.09 -78.83	1859.42 -0.08 -78.80	1859.35 -0.06 -78.76	1859.28 -0.05 -78.73	1859.24 -0.03 -78.70	1859.21 -0.01 -78.66	1859.19 0.00 -78.63	1859.20 0.02 -78.60	1859.21 0.03 -78.56	1859.24 0.05 -78.53
2..	1859.29 0.06 -78.50	1859.35 0.08 -78.46	1859.43 0.09 -78.43	1859.52 0.11 -78.40	1859.63 0.12 -78.37	1859.76 0.14 -78.34	1859.89 0.15 -78.30	1860.05 0.17 -78.27	1860.21 0.18 -78.24	1860.40 0.20 -78.21
3..	1860.59 0.21 -78.18	1860.81 0.23 -78.15	1861.03 0.24 -78.12	1861.28 0.26 -78.09	1861.53 0.27 -78.05	1861.80 0.29 -78.02	1862.09 0.30 -77.99	1862.39 0.31 -77.96	1862.70 0.33 -77.93	1863.03 0.34 -77.90

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 11.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
4..	1863.37 0.36 -77.87	1863.73 0.37 -77.84	1864.10 0.39 -77.81	1864.49 0.40 -77.79	1864.89 0.41 -77.76	1865.30 0.43 -77.73	1865.73 0.44 -77.70	1866.18 0.46 -77.67	1866.63 0.47 -77.64	1867.10 0.48 -77.61
5..	1867.59 0.50 -77.58	1868.08 0.51 -77.56	1868.60 0.53 -77.53	1869.12 0.54 -77.50	1869.66 0.55 -77.47	1870.22 0.57 -77.44	1870.78 0.58 -77.42	1871.36 0.59 -77.39	1871.96 0.61 -77.36	1872.56 0.62 -77.33
6..	1873.19 0.63 -77.31	1873.82 0.65 -77.28	1874.47 0.66 -77.25	1875.13 0.68 -77.23	1875.81 0.69 -77.20	1876.49 0.70 -77.17	1877.20 0.71 -77.15	1877.91 0.73 -77.12	1878.64 0.74 -77.09	1879.38 0.75 -77.07
7..	1880.13 0.77 -77.04	1880.90 0.78 -77.02	1881.68 0.79 -76.99	1882.47 0.81 -76.97	1883.28 0.82 -76.94	1884.10 0.83 -76.92	1884.93 0.85 -76.89	1885.78 0.86 -76.87	1886.64 0.87 -76.84	1887.51 0.88 -76.82
8..	1888.39 0.90 -76.79	1889.29 0.91 -76.77	1890.20 0.92 -76.74	1891.12 0.93 -76.72	1892.05 0.95 -76.69	1893.00 0.96 -76.67	1893.96 0.97 -76.65	1894.93 0.98 -76.62	1895.92 1.00 -76.60	1896.91 1.01 -76.58
9..	1897.92 1.02 -76.55	1898.94 1.03 -76.53	1899.98 1.05 -76.51	1901.03 1.06 -76.48	1902.08 1.07 -76.46	1903.16 1.08 -76.44	1904.24 1.10 -76.41	1905.34 1.11 -76.39	1906.44 1.12 -76.37	1907.56 1.13 -76.35

TABLE 2 - $10^5\,\Delta_{s,t}$ FOR SALINITY 11.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
10..	1908.70 1.14 -76.32	1909.84 1.16 -76.30	1911.00 1 17 -76.28	1912.17 1.18 -76.26	1913.35 1.19 -76.24	1914.54 1.20 -76.21	1915.74 1.22 -76.19	1916.96 1.23 -76.17	1918.19 1.24 -76.15	1919.43 1.25 -76.13
11..	1920.68 1.26 -76.11	1921.94 1.28 -76.09	1923.22 1.29 -76.07	1924.51 1.30 -76.04	1925.80 1.31 -76.02	1927.12 1.32 -76.00	1928.44 1.33 -75.98	1929.77 1.35 -75.96	1931.12 1.36 -75.94	1932.47 1.37 -75.92
12..	1933.84 1.38 -75.90	1935.22 1.39 -75.88	1936.62 1.40 -75.86	1938.02 1.41 -75.84	1939.43 1.43 -75.82	1940.86 1.44 -75.80	1942.30 1.45 -75.78	1943.75 1.46 -75.76	1945.21 1.47 -75.75	1946.68 1.48 -75.73
13..	1948.16 1.49 -75.71	1949.65 1.51 -75.69	1951.16 1.52 -75.67	1952.68 1.53 -75.65	1954.20 1.54 -75.63	1955.74 1.55 -75.61	1957.29 1.56 -75.59	1958.85 1.57 -75.58	1960.43 1.58 -75.56	1962.01 1.59 -75.54
14..	1963.60 1.61 -75.52	1965.21 1.62 -75.50	1966.83 1.63 -75.49	1968.45 1.64 -75.47	1970.09 1.65 -75.45	1971.74 1.66 -75.43	1973.40 1.67 -75.41	1975.07 1.68 -75.40	1976.76 1.69 -75.38	1978.45 1.70 -75.36
15..	1980.15 1.71 -75.35	1981.87 1.73 -75.33	1983.59 1.74 -75.31	1985.33 1.75 -75.29	1987.08 1.76 -75.28	1988.83 1.77 -75.26	1990.60 1.78 -75.24	1992.38 1.79 -75.23	1994.17 1.80 -75.21	1995.97 1.81 -75.20

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 11.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
16..	1997.78 1.82 -75.18	1999.60 1.83 -75.16	2001.43 1.84 -75.15	2003.28 1.85 -75.13	2005.13 1.86 -75.11	2006.99 1.87 -75.10	2008.87 1.88 -75.08	2010.75 1.90 -75.07	2012.65 1.91 -75.05	2014.55 1.92 -75.04
17..	2016.47 1.93 -75.02	2018.39 1.94 -75.01	2020.33 1.95 -74.99	2022.28 1.96 -74.98	2024.24 1.97 -74.96	2026.20 1.98 -74.95	2028.18 1.99 -74.93	2030.17 2.00 -74.92	2032.17 2.01 -74.90	2034.18 2.02 -74.89
18..	2036.20 2.03 -74.87	2038.22 2.04 -74.86	2040.26 2.05 -74.84	2042.31 2.06 -74.83	2044.37 2.07 -74.81	2046.44 2.08 -74.80	2048.52 2.09 -74.79	2050.61 2.10 -74.77	2052.71 2.11 -74.76	2054.82 2.12 -74.74
19..	2056.94 2.13 -74.73	2059.07 2.14 -74.72	2061.21 2.15 -74.70	2063.36 2.16 -74.69	2065.52 2.17 -74.68	2067.69 2.18 -74.66	2069.87 2.19 -74.65	2072.06 2.20 -74.64	2074.26 2.21 -74.62	2076.47 2.22 -74.61
20..	2078.69 2.23 -74.60	2080.92 2.24 -74.58	2083.16 2.25 -74.57	2085.41 2.26 -74.56	2087.67 2.27 -74.54	2089.94 2.28 -74.53	2092.22 2.29 -74.52	2094.51 2.30 -74.51	2096.81 2.31 -74.49	2099.11 2.32 -74.48
21..	2101.43 2.33 -74.47	2103.76 2.34 -74.46	2106.10 2.35 -74.44	2108.44 2.36 -74.43	2110.80 2.37 -74.42	2113.16 2.38 -74.41	2115.54 2.39 -74.40	2117.93 2.39 -74.38	2120.32 2.40 -74.37	2122.73 2.41 -74.36

TABLE 2 -$10^5 \Delta_{s,t}$ FOR SALINITY 11.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22..	2125.14 2.42 -74.35	2127.56 2.43 -74.34	2130.00 2.44 -74.33	2137.44 2.45 -74.31	2134.89 2.46 -74.30	2132.35 2.47 -74.29	2139.82 2.48 -74.28	2142.31 2.49 -74.27	2144.80 2.50 -74.26	2147.30 2.51 -74.25
23..	2149.80 2.52 -74.24	2152.32 2.53 -74.22	2154.85 2.54 -74.21	2157.39 2.55 -74.20	2159.94 2.56 -74.19	2162.49 2.57 -74.18	2165.06 2.58 -74.17	2167.63 2.58 -74.16	2170.22 2.59 -74.15	2172.81 2.60 -74.14
24..	2175.41 2.61 -74.13	2178.03 2.62 -74.12	2180.65 2.63 -74.11	2183.28 2.64 -74.10	2185.92 2.65 -74.09	2188.57 2.66 -74.08	2191.23 2.67 -74.07	2193.89 2.68 -74.06	2196.57 2.69 -74.05	2199.26 2.70 -74.04
25..	2201.95 2.70 -74.03	2204.66 2.71 -74.02	2207.37 2.72 -74.01	2210.09 2.73 -74.00	2212.83 2.74 -73.99	2215.57 2.75 -73.98	2218.32 2.76 -73.97	2221.08 2.77 -73.96	2223.85 2.78 -73.95	2226.62 2.79 -73.94
26..	2229.41 2.80 -73.93	2232.21 2.81 -73.92	2235.01 2.81 -73.91	2237.82 2.82 -73.90	2240.65 2.83 -73.89	2243.48 2.84 -73.88	2246.32 2.85 -73.87	2249.17 2.86 -73.86	2252.03 2.87 -73.85	2254.90 2.88 -73.84
27..	2257.78 2.89 -73.84	2260.66 2.90 -73.83	2263.56 2.90 -73.82	2266.46 2.91 -73.81	2269.37 2.92 -73.80	2272.30 2.93 -73.79	2275.23 2.94 -73.78	2278.17 2.95 -73.77	2281.12 2.96 -73.77	2284.07 2.97 -73.76

TABLE 2 $-10^5 \Delta_{s,t}$ FOR SALINITY 11.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
28..	2287.04 2.98 -73.75	2290.02 2.98 -73.74	2293.00 2.99 -73.73	2295.99 3.00 -73.72	2298.99 3.01 -73.71	2302.01 3.02 -73.71	2305.03 3.03 -73.70	2308.05 3.04 -73.69	2311.09 3.05 -73.68	2314.14 3.06 -73.67
29..	2317.19 3.06 -73.66	2320.26 3.07 -73.66	2323.33 3.08 -73.65	2326.41 3.09 -73.64	2329.50 3.10 -73.63	2332.60 3.11 -73.62	2335.71 3.12 -73.62	2338.82 3.13 -73.61	2341.95 3.13 -73.60	2345.08 3.14 -73.59
30..	2348.22 3.15 -73.58	2351.38 3.16 -73.58	2354.54 3.17 -73.57	2357.70 3.18 -73.56	2360.88 3.19 -73.55	2364.07 3.19 -73.55	2367.26 3.20 -73.54	2370.47 3.21 -73.53	2373.68 3.22 -73.52	2376.90 3.23 -73.51
31..	2380.13 3.24 -73.51	2383.37 3.25 -73.50	2386.61 3.26 -73.49	2389.87 3.26 -73.48	2393.13 3.27 -73.48	2396.40 3.28 -73.47	2399.68 3.29 -73.46	2402.97 3.30 -73.45	2406.27 3.31 -73.45	2409.58 3.32 -73.44
32..	2412.89 3.32 -73.43	2416.22 3.33 -73.43	2419.55 3.34 -73.42	2422.89 3.35 -73.41	2426.24 3.36 -73.40	2429.60 3.37 -73.40	2432.97 3.38 -73.39	2436.34 3.38 -73.38	2439.73 3.39 -73.38	2443.12 3.40 -73.37
33..	2446.52 3.41 -73.36	2449.93 3.42 -73.35	2453.35 3.43 -73.35	2456.77 3.43 -73.34	2460.21 3.44 -73.33	2463.65 3.45 -73.33	2467.10 3.46 -73.32	2470.56 3.47 -73.31	2474.03 3.48 -73.31	2477.51 3.49 -73.30

TABLE 2 - $10^5 \Delta s,t$ FOR SALINITY 11.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
34..	2480.99 3.49 -73.29	2484.49 3.50 -73.29	2487.99 3.51 -73.28	2491.50 3.52 -73.27	2495.02 3.53 -73.26	2498.55 3.54 -73.26	2502.08 3.54 -73.25	2505.63 3.55 -73.24	2509.18 3.56 -73.24	2512.74 3.57 -73.23
35..	2516.31 3.58 -73.22	2519.89 3.59 -73.22	2523.48 3.60 -73.21	2527.07 3.60 -73.20	2530.68 3.61 -73.20	2534.29 3.62 -73.19	2537.91 3.63 -73.18	2541.54 3.64 -73.18	2545.17 3.65 -73.17	2548.82 3.65 -73.16

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 12.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
-1..	1785.21 0.40 -79.37	1785.61 0.42 -79.40	1786.02 0.43 -79.44	1786.45 0.45 -79.48	1786.90 0.47 -79.52	1787.37 0.48 -79.55	1787.85 0.50 -79.59	1788.35 0.52 -79.63	1788.87 0.54 -79.67	1789.41 0.55 -79.70
0..	1782.14 0.23 -79.01	1782.37 0.25 -79.04	1782.62 0.27 -79.08	1782.89 0.28 -79.11	1783.17 0.30 -79.15	1783.47 0.32 -79.18	1783.78 0.33 -79.22	1784.11 0.35 -79.26	1784.46 0.37 -79.29	1784.83 0.38 -79.33
0..	1782.14 -0.22 -79.01	1781.92 -0.20 -78.97	1781.72 -0.19 -78.94	1781.53 -0.17 -78.90	1781.36 -0.15 -78.87	1781.21 -0.14 -78.83	1781.07 -0.12 -78.80	1780.95 -0.11 -78.76	1780.85 -0.09 -78.73	1780.76 -0.07 -78.69
1..	1780.68 -0.06 -78.66	1780.63 -0.04 -78.63	1780.58 -0.03 -78.59	1780.56 -0.01 -78.56	1780.54 0.00 -78.53	1780.55 0.02 -78.49	1780.57 0.03 -78.46	1780.60 0.05 -78.43	1780.65 0.06 -78.40	1780.71 0.08 -78.36
2..	1780.79 0.10 -78.33	1780.89 0.11 -78.30	1781.00 0.13 -78.27	1781.12 0.14 -78.23	1781.26 0.15 -78.20	1781.42 0.17 -78.17	1781.59 0.18 -78.14	1781.77 0.20 -78.11	1781.97 0.21 -78.08	1782.19 0.23 -78.05
3..	1782.42 0.24 -78.01	1782.66 0.26 -77.98	1782.92 0.27 -77.95	1783.19 0.29 -77.92	1783.48 0.30 -77.89	1783.78 0.32 -77.86	1784.09 0.33 -77.83	1784.42 0.34 -77.80	1784.77 0.36 -77.77	1785.13 0.37 -77.74

TABLE 2 - 10^5 $\Delta_{s,t}$ FOR SALINITY 12.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
4..	1785.50 0.39 -77.71	1785.89 0.40 -77.68	1786.29 0.42 -77.65	1786.70 0.43 -77.63	1787.13 0.44 -77.60	1787.58 0.46 -77.57	1788.03 0.47 -77.54	1788.51 0.49 -77.51	1738.99 0.50 -77.48	1789.49 0.51 -77.45
5..	1790.00 0.53 -77.43	1790.53 0.54 -77.40	1791.07 0.55 -77.37	1791.62 0.57 -77.34	1792.19 0.58 -77.31	1792.77 0.59 -77.29	1793.37 0.61 -77.26	1793.97 0.62 -77.23	1794.60 0.64 -77.20	1795.23 0.65 -77.18
6..	1795.88 0.66 -77.15	1796.54 0.68 -77.12	1797.22 0.69 -77.10	1797.90 0.70 -77.07	1798.61 0.71 -77.04	1799.32 0.73 -77.02	1800.05 0.74 -76.99	1800.79 0.75 -76.97	1801.54 0.77 -76.94	1802.31 0.78 -76.91
7..	1803.09 0.79 -76.89	1803.88 0.81 -76.86	1804.69 0.82 -76.84	1805.51 0.83 -76.81	1806.34 0.84 -76.79	1807.19 0.86 -76.76	1808.04 0.87 -76.74	1808.91 0.88 -76.71	1809.80 0.90 -76.69	1810.69 0.91 -76.66
8..	1811.60 0.92 -76.64	1812.52 0.93 -76.62	1813.45 0.95 -76.59	1814.40 0.96 -76.57	1815.36 0.97 -76.54	1816.33 0.98 -76.52	1817.31 1.00 -76.50	1818.31 1.01 -76.47	1819.32 1.02 -76.45	1820.34 1.03 -76.43
9..	1821.37 1.05 -76.40	1822.42 1.06 -76.38	1823.47 1.07 -76.36	1824.54 1.08 -76.33	1825.63 1.09 -76.31	1826.72 1.11 -76.29	1827.83 1.12 -76.27	1828.94 1.13 -76.24	1830.07 1.14 -76.22	1831.22 1.15 -76.20

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 12.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
10..	1832.37 1.17 -76.18	1833.54 1.18 -76.15	1834.72 1.19 -76.13	1835.91 1.20 -76.11	1837.11 1.21 -76.09	1838.32 1.23 -76.07	1839.55 1.24 -76.05	1840.79 1.25 -76.02	1842.04 1.26 -76.00	1843.30 1.27 -75.98
11..	1844.57 1.28 -75.96	1845.86 1.30 -75.94	1847.15 1.31 -75.92	1848.46 1.32 -75.90	1849.78 1.33 -75.88	1851.11 1.34 -75.86	1852.45 1.35 -75.84	1853.81 1.37 -75.82	1855.17 1.38 -75.80	1856.55 1.39 -75.78
12..	1857.94 1.40 -75.76	1859.34 1.41 -75.74	1860.75 1.42 -75.72	1862.18 1.43 -75.70	1863.61 1.45 -75.68	1865.06 1.46 -75.66	1866.51 1.47 -75.64	1867.98 1.48 -75.62	1869.46 1.49 -75.60	1870.95 1.50 -75.58
13..	1872.45 1.51 -75.56	1873.97 1.52 -75.54	1875.49 1.54 -75.53	1877.03 1.55 -75.51	1878.57 1.56 -75.49	1880.13 1.57 -75.47	1881.70 1.58 -75.45	1883.28 1.59 -75.43	1884.87 1.60 -75.42	1886.47 1.61 -75.40
14..	1888.08 1.62 -75.38	1889.71 1.63 -75.36	1891.34 1.65 -75.34	1892.99 1.66 -75.33	1894.64 1.67 -75.31	1896.31 1.68 -75.29	1897.99 1.69 -75.27	1899.68 1.70 -75.26	1901.38 1.71 -75.24	1903.09 1.72 -75.22
15..	1904.81 1.73 -75.21	1906.54 1.74 -75.19	1908.28 1.75 -75.17	1910.03 1.76 -75.15	1911.80 1.77 -75.14	1913.57 1.78 -75.12	1915.36 1.80 -75.10	1917.15 1.81 -75.09	1918.96 1.82 -75.07	1920.77 1.83 -75.06

TABLE 2 - $10^5 \Delta s,t$ FOR SALINITY 12.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
16..	1922.60 1.84 -75.04	1924.44 1.85 -75.02	1926.29 1.86 -75.01	1928.15 1.87 -74.99	1930.02 1.88 -74.98	1931.89 1.89 -74.96	1933.78 1.90 -74.94	1935.68 1.91 -74.93	1937.60 1.92 -74.91	1939.52 1.93 -74.90
17..	1941.45 1.94 -74.88	1943.39 1.95 -74.87	1945.34 1.96 -74.85	1947.30 1.97 -74.84	1949.28 1.98 -74.82	1951.26 1.99 -74.81	1953.25 2.00 -74.79	1955.25 2.01 -74.78	1957.27 2.02 -74.76	1959.29 2.03 -74.75
18..	1961.32 2.04 -74.73	1963.37 2.05 -74.72	1965.42 2.06 -74.71	1967.49 2.07 -74.69	1969.56 2.08 -74.68	1971.64 2.09 -74.66	1973.74 2.10 -74.65	1975.84 2.11 -74.64	1977.96 2.12 -74.62	1980.08 2.13 -74.61
19..	1982.21 2.14 -74.59	1984.36 2.15 -74.58	1986.51 2.16 -74.57	1988.67 2.17 -74.55	1990.85 2.18 -74.54	1993.03 2.19 -74.53	1995.23 2.20 -74.51	1997.43 2.21 -74.50	1999.64 2.22 -74.49	2001.87 2.23 -74.47
20..	2004.10 2.24 -74.46	2006.34 2.25 -74.45	2008.59 2.26 -74.44	2010.85 2.27 -74.42	2013.13 2.28 -74.41	2015.41 2.29 -74.40	2017.70 2.30 -74.39	2020.00 2.31 -74.37	2022.31 2.32 -74.36	2024.63 2.33 -74.35
21..	2026.96 2.34 -74.34	2029.30 2.35 -74.32	2031.65 2.36 -74.31	2034.01 2.37 -74.30	2036.38 2.38 -74.29	2038.76 2.39 -74.28	2041.14 2.40 -74.26	2043.54 2.41 -74.25	2045.95 2.42 -74.24	2048.36 2.43 -74.23

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 12.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22..	2050.79 2.44 -74.22	2053.23 2.44 -74.21	2055.67 2.45 -74.19	2058.12 2.46 -74.18	2060.59 2.47 -74.17	2063.06 2.48 -74.16	2065.54 2.49 -74.15	2068.04 2.50 -74.14	2070.54 2.51 -74.13	2073.05 2.52 -74.12
23..	2075.57 2.53 -74.10	2078.10 2.54 -74.09	2080.64 2.55 -74.08	2083.19 2.56 -74.07	2085.74 2.57 -74.06	2088.31 2.58 -74.05	2090.89 2.59 -74.04	2093.47 2.59 -74.03	2096.07 2.60 -74.02	2098.67 2.61 -74.01
24..	2101.29 2.62 -74.00	2103.91 2.63 -73.99	2106.54 2.64 -73.98	2109.18 2.65 -73.97	2111.83 2.66 -73.96	2114.49 2.67 -73.95	2117.16 2.68 -73.94	2119.84 2.69 -73.93	2122.53 2.70 -73.92	2125.22 2.71 -73.91
25..	2127.93 2.71 -73.90	2130.64 2.72 -73.89	2133.37 2.73 -73.88	2136.10 2.74 -73.87	2138.84 2.75 -73.86	2141.59 2.76 -73.85	2144.35 2.77 -73.84	2147.12 2.78 -73.83	2149.90 2.79 -73.82	2152.69 2.80 -73.81
26..	2155.48 2.81 -73.80	2158.29 2.81 -73.79	2161.10 2.82 -73.78	2163.93 2.83 -73.77	2166.76 2.84 -73.76	2169.60 2.85 -73.76	2172.45 2.86 -73.75	2175.31 2.87 -73.74	2178.18 2.88 -73.73	2181.05 2.89 -73.72
27..	2183.94 2.90 -73.71	2186.84 2.90 -73.70	2189.74 2.91 -73.69	2192.65 2.92 -73.68	2195.57 2.93 -73.68	2198.51 2.94 -73.67	2201.44 2.95 -73.66	2204.39 2.96 -73.65	2207.35 2.97 -73.64	2210.32 2.98 -73.63

TABLE 2 - $10^5\ \Delta_{s,t}$ FOR SALINITY 12.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
28..	2213.29 2.98 -73.62	2216.28 2.99 -73.62	2219.27 3.00 -73.61	2222.27 3.01 -73.60	2225.28 3.02 -73.59	2228.30 3.03 -73.58	2231.33 3.04 -73.58	2234.36 3.05 -73.57	2237.41 3.05 -73.56	2240.46 3.06 -73.55
29..	2243.53 3.07 -73.54	2246.60 3.08 -73.53	2249.68 3.09 -73.53	2252.77 3.10 -73.52	2255.87 3.11 -73.51	2258.98 3.12 -73.50	2262.09 3.12 -73.50	2265.21 3.13 -73.49	2268.35 3.14 -73.48	2271.49 3.15 -73.47
30..	2274.64 3.16 -73.46	2277.80 3.17 -73.46	2280.97 3.18 -73.45	2284.14 3.19 -73.44	2287.33 3.19 -73.43	2290.52 3.20 -73.43	2293.72 3.21 -73.42	2296.94 3.22 -73.41	2300.15 3.23 -73.40	2303.38 3.24 -73.40
31..	2306.62 3.25 -73.39	2309.87 3.25 -73.38	2313.12 3.26 -73.38	2316.38 3.27 -73.37	2319.65 3.28 -73.36	2322.93 3.29 -73.35	2326.22 3.30 -73.35	2329.52 3.31 -73.34	2332.82 3.31 -73.33	2336.14 3.32 -73.33
32..	2339.46 3.33 -73.32	2342.79 3.34 -73.31	2346.13 3.35 -73.30	2349.48 3.36 -73.30	2352.84 3.37 -73.29	2356.20 3.37 -73.28	2359.58 3.38 -73.28	2362.96 3.39 -73.27	2366.35 3.40 -73.26	2369.75 3.41 -73.26
33..	2373.16 3.42 -73.25	2376.57 3.42 -73.24	2380.00 3.43 -73.24	2383.43 3.44 -73.23	2386.87 3.45 -73.22	2390.32 3.46 -73.22	2393.78 3.47 -73.21	2397.25 3.48 -73.20	2400.72 3.48 -73.20	2404.21 3.49 -73.19

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 12.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
34..	2407.70 3.50 -73.18	2411.20 3.51 -73.18	2414.71 3.52 -73.17	2418.23 3.53 -73.16	2421.75 3.53 -73.16	2425.29 3.54 -73.15	2428.83 3.55 -73.14	2432.38 3.56 -73.14	2435.94 3.57 -73.13	2439.51 3.58 -73.12
35..	2443.09 3.58 -73.12	2446.67 3.59 -73.11	2450.27 3.60 -73.11	2453.87 3.61 -73.10	2457.48 3.62 -73.09	2461.10 3.63 -73.09	2464.72 3.64 -73.08	2468.36 3.64 -73.07	2472.00 3.65 -73.07	2475.65 3.66 -73.06

TABLE 2 - $10^5\ \Delta_{s,p}$ FOR SALINITY 13.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
-1..	1705.84 0.36 -79.19	1706.20 0.38 -79.23	1706.58 0.40 -79.27	1706.98 0.41 -79.30	1707.39 0.43 -79.34	1707.82 0.45 -79.38	1708.26 0.46 -79.42	1708.73 0.48 -79.45	1709.20 0.50 -79.49	1709.70 0.51 -79.53
0..	1703.13 0.20 -78.84	1703.33 0.21 -78.87	1703.54 0.23 -78.91	1703.77 0.25 -78.94	1704.02 0.26 -78.98	1704.28 0.28 -79.01	1704.56 0.30 -79.05	1704.86 0.31 -79.09	1705.17 0.33 -79.12	1705.50 0.34 -79.16
0..	1703.13 -0.18 -78.84	1702.95 -0.17 -78.80	1702.78 -0.15 -78.77	1702.63 -0.13 -78.73	1702.50 -0.12 -78.70	1702.38 -0.10 -78.66	1702.28 -0.09 -78.63	1702.19 -0.07 -78.60	1702.12 -0.06 -78.56	1702.06 -0.04 -78.53
1..	1702.02 -0.02 -78.50	1702.00 -0.01 -78.46	1701.99 0.01 -78.43	1702.00 0.02 -78.40	1702.02 0.04 -78.36	1702.05 0.05 -78.33	1702.11 0.07 -78.30	1702.17 0.08 -78.27	1702.25 0.10 -78.23	1702.35 0.11 -78.20
2..	1702.46 0.13 -78.17	1702.59 0.14 -78.14	1702.73 0.16 -78.10	1702.89 0.17 -78.07	1703.06 0.19 -78.04	1703.25 0.20 -78.01	1703.45 0.22 -77.98	1703.67 0.23 -77.95	1703.90 0.25 -77.92	1704.14 0.26 -77.89
3..	1704.40 0.27 -77.86	1704.68 0.29 -77.83	1704.96 0.30 -77.80	1705.27 0.32 -77.77	1705.58 0.33 -77.73	1705.92 0.35 -77.70	1706.26 0.36 -77.68	1706.62 0.37 -77.65	1707.00 0.39 -77.62	1707.39 0.40 -77.59

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 13.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
4..	1707.79 0.42 -77.56	1708.20 0.43 -77.53	1708.63 0.44 -77.50	1709.08 0.46 -77.47	1709.54 0.47 -77.44	1710.01 0.49 -77.41	1710.50 0.50 -77.38	1711.00 0.51 -77.36	1711.51 0.53 -77.33	1712.04 0.54 -77.30
5..	1712.58 0.55 -77.27	1713.13 0.57 -77.24	1713.70 0.58 -77.22	1714.28 0.60 -77.19	1714.88 0.61 -77.16	1715.49 0.62 -77.13	1716.11 0.64 -77.11	1716.74 0.65 -77.08	1717.39 0.66 -77.05	1718.05 0.68 -77.03
6..	1718.73 0.69 -77.00	1719.42 0.70 -76.97	1720.12 0.71 -76.95	1720.83 0.73 -76.92	1721.56 0.74 -76.89	1722.30 0.75 -76.87	1723.06 0.77 -76.84	1723.82 0.78 -76.82	1724.60 0.79 -76.79	1725.40 0.81 -76.77
7..	1726.20 0.82 -76.74	1727.02 0.83 -76.71	1727.85 0.84 -76.69	1728.70 0.86 -76.66	1729.55 0.87 -76.64	1730.42 0.88 -76.62	1731.30 0.90 -76.59	1732.20 0.91 -76.57	1733.11 0.92 -76.54	1734.03 0.93 -76.52
8..	1734.96 0.95 -76.49	1735.91 0.96 -76.47	1736.86 0.97 -76.44	1737.83 0.98 -76.42	1738.82 0.99 -76.40	1739.81 1.01 -76.37	1740.82 1.02 -76.35	1741.84 1.03 -76.33	1742.87 1.04 -76.30	1743.91 1.06 -76.28
9..	1744.97 1.07 -76.26	1746.04 1.08 -76.23	1747.12 1.09 -76.21	1748.21 1.10 -76.19	1749.31 1.12 -76.17	1750.43 1.13 -76.14	1751.56 1.14 -76.12	1752.70 1.15 -76.10	1753.85 1.16 -76.08	1755.02 1.18 -76.05

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 13.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
10..	1756.20 1.19 -76.03	1757.38 1.20 -76.01	1758.58 1.21 -75.99	1759.80 1.22 -75.97	1761.02 1.24 -75.95	1762.26 1.25 -75.[illegible]	1763.50 1.26 -75.90	1764.76 1.27 -75.88	1766.03 1.28 -75.86	1767.32 1.29 -75.84
11..	1768.61 1.31 -75.82	1769.92 1.32 -75.80	1771.23 1.33 -75.78	1772.56 1.34 -75.76	1773.90 1.35 -75.74	1775.25 1.36 -75.72	1776.62 1.37 -75.70	1777.99 1.39 -75.68	1779.38 1.40 -75.66	1780.77 1.41 -75.64
12..	1782.18 1.42 -75.62	1783.60 1.43 -75.60	1785.04 1.44 -75.58	1786.48 1.45 -75.56	1787.93 1.47 -75.54	1789.40 1.48 -75.52	1790.87 1.49 -75.50	1792.36 1.50 -75.48	1793.86 1.51 -75.46	1795.37 1.52 -75.44
13..	1796.89 1.53 -75.42	1798.42 1.54 -75.41	1799.96 1.55 -75.39	1801.52 1.56 -75.37	1803.08 1.58 -75.35	1804.66 1.59 -75.33	1806.25 1.60 -75.31	1807.84 1.61 -75.30	1809.45 1.62 -75.28	1811.07 1.63 -75.26
14..	1812.70 1.64 -75.24	1814.35 1.65 -75.22	1816.00 1.66 -75.21	1817.66 1.67 -75.19	1819.33 1.68 -75.17	1821.02 1.70 -75.15	1822.71 1.71 -75.14	1824.42 1.72 -75.12	1826.14 1.73 -75.10	1827.86 1.74 -75.09
15..	1829.60 1.75 -75.07	1831.35 1.76 -75.05	1833.11 1.77 -75.04	1834.88 1.78 -75.02	1836.66 1.79 -75.00	1838.45 1.80 -74.99	1840.25 1.81 -74.97	1842.06 1.82 -74.95	1843.89 1.83 -74.94	1845.72 1.84 -74.92

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 13.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
16..	1847.56 1.85 -74.90	1849.42 1.86 -74.89	1851.28 1.87 -74.87	1853.15 1.88 -74.86	1855.04 1.90 -74.84	1856.93 1.91 -74.83	1858.84 1.92 -74.81	1860.76 1.93 -74.79	1862.68 1.94 -74.78	1864.62 1.95 -74.76
17..	1866.56 1.96 -74.75	1868.52 1.97 -74.73	1870.49 1.98 -74.72	1872.47 1.99 -74.70	1874.45 2.00 -74.69	1876.45 2.01 -74.67	1878.46 2.02 -74.66	1880.48 2.03 -74.65	1882.50 2.04 -74.63	1884.54 2.05 -74.62
18..	1886.59 2.06 -74.60	1888.65 2.07 -74.59	1890.72 2.08 -74.57	1892.79 2.09 -74.56	1894.88 2.10 -74.55	1896.98 2.11 -74.53	1899.09 2.12 -74.52	1901.21 2.13 -74.50	1903.33 2.14 -74.49	1905.47 2.15 -74.48
19..	1907.62 2.16 -74.46	1909.78 2.17 -74.45	1911.94 2.18 -74.44	1914.12 2.19 -74.42	1916.31 2.20 -74.41	1918.51 2.21 -74.40	1920.71 2.22 -74.38	1922.93 2.23 -74.37	1925.15 2.24 -74.36	1927.39 2.25 -74.34
20..	1929.64 2.26 -74.33	1931.89 2.27 -74.32	1934.16 2.27 -74.31	1936.43 2.28 -74.29	1938.72 2.29 -74.28	1941.01 2.30 -74.27	1943.31 2.31 -74.26	1945.63 2.32 -74.24	1947.95 2.33 -74.23	1950.28 2.34 -74.22
21..	1952.63 2.35 -74.21	1954.98 2.36 -74.19	1957.34 2.37 -74.18	1959.71 2.38 -74.17	1962.09 2.39 -74.16	1964.48 2.40 -74.15	1966.88 2.41 -74.13	1969.29 2.42 -74.12	1971.71 2.43 -74.11	1974.14 2.44 -74.10

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 13.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22..	1976.57 2.45 -74.09	1979.02 2.46 -74.08	1981.48 2.47 -74.07	1983.94 2.48 -74.05	1986.42 2.48 -74.04	1988.90 2.49 -74.03	1991.40 2.50 -74.02	1993.90 2.51 -74.01	1996.41 2.52 -74.00	1998.93 2.53 -73.99
23..	2001.47 2.54 -73.98	2004.01 2.55 -73.97	2006.56 2.56 -73.96	2009.11 2.57 -73.95	2011.68 2.58 -73.93	2014.26 2.59 -73.92	2016.85 2.60 -73.91	2019.44 2.61 -73.90	2022.05 2.61 -73.89	2024.66 2.62 -73.88
24..	2027.29 2.63 -73.87	2029.92 2.64 -73.86	2032.56 2.65 -73.85	2035.21 2.66 -73.84	2037.87 2.67 -73.83	2040.54 2.68 -73.82	2043.22 2.69 73.81	2045.91 2.70 -73.80	2048.61 2.71 -73.79	2051.31 2.72 -73.78
25..	2054.03 2.72 -73.77	2056.75 2.73 -73.76	2059.49 2.74 -73.75	2062.23 2.75 -73.74	2064.98 2.76 -73.73	2067.74 2.77 -73.73	2070.51 2.78 -73.72	2073.29 2.79 -73.71	2076.08 2.80 -73.70	2078.87 2.81 -73.69
26..	2081.68 2.81 -73.68	2084.50 2.82 -73.67	2087.32 2.83 -73.66	2090.15 2.84 -73.65	2092.99 2.85 -73.64	2095.84 2.86 -73.63	2098.70 2.87 -73.63	2101.57 2.88 -73.62	2104.45 2.89 -73.61	2107.33 2.90 -73.60
27..	2110.23 2.90 -73.59	2113.13 2.91 -73.58	2116.05 2.92 -73.57	2118.97 2.93 -73.56	2121.90 2.94 -73.56	2124.84 2.95 -73.55	2127.79 2.96 -73.54	2130.74 2.97 -73.53	2133.71 2.97 -73.52	2136.68 2.98 -73.51

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 13.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
28..	2139.67 2.99 -73.51	2142.66 3.00 -73.50	2145.66 3.01 -73.49	2148.67 3.02 -73.48	2151.69 3.03 -73.47	2154.72 3.04 -73.47	2157.75 3.04 -73.46	2160.80 3.05 -73.45	2163.85 3.06 -73.44	2166.91 3.07 -73.43
29..	2169.99 3.08 -73.43	2173.07 3.09 -73.42	2176.15 3.10 -73.41	2179.25 3.11 -73.40	2182.36 3.11 -73.39	2185.47 3.12 -73.39	2188.60 3.13 -73.38	2191.73 3.14 -73.37	2194.87 3.15 -73.36	2198.02 3.16 -73.36
30..	2201.18 3.17 -73.35	2204.34 3.18 -73.34	2207.52 3.18 -73.33	2210.70 3.19 -73.33	2213.89 3.20 -73.32	2217.10 3.21 -73.31	2220.30 3.22 -73.31	2223.52 3.23 -73.30	2226.75 3.24 -73.29	2229.99 3.24 -73.28
31..	2233.23 3.25 -73.28	2236.48 3.26 -73.27	2239.74 3.27 -73.26	2243.01 3.28 -73.26	2246.29 3.29 -73.25	2249.58 3.30 -73.24	2252.88 3.30 -73.24	2256.18 3.31 -73.23	2259.49 3.32 -73.22	2262.81 3.33 -73.21
32..	2266.14 3.34 -73.21	2269.48 3.35 -73.20	2272.83 3.36 -73.19	2276.18 3.36 -73.19	2279.55 3.37 -73.18	2282.92 3.38 -73.17	2286.30 3.39 -73.17	2289.69 3.40 -73.16	2293.09 3.41 -73.15	2296.49 3.41 -73.15
33..	2299.91 3.42 -73.14	2303.33 3.43 -73.13	2306.76 3.44 -73.13	2310.20 3.45 -73.12	2313.65 3.46 -73.12	2317.11 3.47 -73.11	2320.57 3.47 -73.10	2324.05 3.48 -73.10	2327.53 3.49 -73.09	2331.02 3.50 -73.08

TABLE 2 - $10^5\ \Delta_{s,t}$ FOR SALINITY 13.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
34..	2334.52 3.51 -73.08	2338.03 3.52 -73.07	2341.54 3.52 -73.07	2345.07 3.53 -73.06	2348.60 3.54 -73.05	2352.14 3.55 -73.05	2355.69 3.56 -73.04	2359.25 3.57 -73.03	2362.81 3.57 -73.03	2366.39 3.58 -73.02
35..	2369.97 3.59 -73.02	2373.56 3.60 -73.01	2377.16 3.61 -73.00	2380.77 3.62 -73.00	2384.39 3.62 -72.99	2388.01 3.63 -72.99	2391.64 3.64 -72.98	2395.28 3.65 -72.97	2398.93 3.66 -72.97	2402.59 3.67 -72.96

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 14.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
-1..	1626.65 0.32 -79.03	1626.97 0.34 -79.06	1627.31 0.36 -79.10	1627.67 0.37 -79.14	1628.05 0.39 -79.17	1628.44 0.41 -79.21	1628.85 0.42 -79.25	1629.27 0.44 -79.28	1629.[illegible] 0.[illegible] -79.32	1630.17 0.48 -79.36
-0..	1624.29 0.16 -78.67	1624.46 0.18 -78.71	1624.64 0.20 -78.74	1624.83 0.21 -78.78	1625.04 0.23 -78.81	1625.27 0.24 -78.85	1625.51 0.26 -78.88	1625.77 0.28 -78.92	1626.05 0.29 -78.95	1626.34 0.31 -78.99
+0..	1624.29 -0.15 -78.67	1624.15 -0.13 -78.64	1624.02 -0.12 -78.60	1623.90 -0.10 -78.57	1623.80 -0.08 -78.54	1623.72 -0.07 -78.50	1623.65 -0.05 -78.47	1623.59 -0.04 -78.43	1623.56 -0.02 -78.40	1623.53 -0.01 -78.37
+1	1623.53 0.01 -78.33	1623.54 0.02 -78.30	1623.56 0.04 -78.27	1623.60 0.05 -78.24	1623.65 0.07 -78.20	1623.72 0.08 -78.17	1623.81 0.10 -78.14	1623.91 0.11 -78.11	1624.02 0.13 -78.07	1624.15 0.14 -78.04
+2..	1624.30 0.16 -78.01	1624.45 0.17 -77.98	1624.63 0.19 -77.95	1624.82 0.20 -77.92	1625.02 0.22 -77.89	1625.24 0.23 -77.85	1625.47 0.25 -77.82	1625.72 0.26 -77.79	1625.98 0.28 -77.76	1626.26 0.29 -77.73
+3..	1626.55 0.30 -77.70	1626.85 0.32 -77.67	1627.17 0.33 -77.64	1627.50 0.35 -77.61	1627.85 0.36 -77.58	1628.21 0.38 -77.55	1628.59 0.39 -77.52	1628.98 0.40 -77.49	1629.38 0.42 -77.46	1629.80 0.43 -77.43

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 14.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
+4..	1630.23 0.45 -77.41	1630.68 0.46 -77.38	1631.14 0.47 -77.35	1631.61 0.49 -77.32	1632.10 0.50 -77.29	1632.60 0.51 -77.26	1633.11 0.53 -77.23	1633.64 0.54 -77.21	1634.18 0.56 -77.18	1634.74 0.57 -77.15
+5..	1635.31 0.58 -77.12	1635.89 0.60 -77.10	1636.48 0.61 -77.07	1637.09 0.62 -77.04	1637.72 0.64 -77.01	1638.35 0.65 -76.99	1639.00 0.66 -76.96	1639.66 0.68 -76.93	1640.34 0.69 -76.91	1641.03 0.70 -76.88
+6..	1641.73 0.72 -76.85	1642.44 0.73 -76.83	1643.17 0.74 -76.80	1643.91 0.75 -76.77	1644.67 0.77 -76.75	1645.43 0.78 -76.72	1646.21 0.79 -76.70	1647.01 0.81 -76.67	1647.81 0.82 -76.65	1648.63 0.83 -76.62
+7..	**1649.46** **0.84** **-76.60**	**1650.31** **0.86** **-76.57**	**1651.16** **0.87** **-76.55**	**1652.03** **0.88** **-76.52**	**1652.91** **0.89** **-76.50**	1653.81 0.91 -76.47	1654.71 0.92 -76.45	1655.63 0.93 -76.42	1656.57 0.94 -76.40	1657.[illegible] 0.96 -76.37
+8..	1658.47 0.97 -76.35	1659.44 0.98 -76.33	1660.42 0.99 -76.30	1661.41 1.01 -76.28	1662.42 1.02 -76.26	1663.44 1.03 -76.23	1664.47 1.04 -76.21	1665.51 1.06 -76.19	1666.57 1.07 -76.16	1667.63 1.08 -76.14
+9..	1668.71 1.09 -76.12	1669.80 1.10 -76.09	1670.91 1.12 -76.07	1672.02 1.13 -76.05	1673.15 1.14 -76.03	1674.29 1.15 -76.00	1675.44 1.16 -75.98	1676.60 1.18 -75.96	1677.78 1.19 -75.94	1678.96 1.20 -75.92

TABLE 2 - $10^5\ \Delta_{s,t}$ FOR SALINITY 14.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22..	1902.49 2.46 -73.96	1904.94 2.47 -73.95	1907.41 2.48 -73.94	1909.89 2.49 -73.93	1912.37 2.50 -73.92	1914.87 2.51 -73.91	1917.37 2.51 -73.90	1919.89 2.52 -73.89	1922.41 2.53 -73.88	1924.95 2.54 -73.87
23..	1927.49 2.55 -73.85	1930.04 2.56 -73.84	1932.60 2.57 -73.83	1935.17 2.58 -73.82	1937.75 2.59 -73.81	1940.34 2.60 -73.80	1942.93 2.61 -73.79	1945.54 2.62 -73.78	1948.16 2.62 -73.77	1950.78 2.63 -73.76
24..	1953.42 2.64 -73.75	1956.06 2.65 -73.74	1958.71 2.66 -73.73	1961.37 2.67 -73.72	1964.04 2.68 -73.71	1966.72 2.69 -73.70	1969.41 2.70 -73.69	1972.11 2.71 -73.68	1974.82 2.72 -73.67	1977.53 2.73 -73.66
25..	1980.26 2.73 -73.65	1982.99 2.74 -73.64	1985.73 2.75 -73.63	1988.49 2.76 -73.62	1991.25 2.77 -73.62	1994.02 2.78 -73.61	1996.80 2.79 -73.60	1999.58 2.80 -73.59	2002.38 2.81 -73.58	2005.19 2.81 -73.57
26..	2008.00 2.82 -73.56	2010.83 2.83 -73.55	2013.66 2.84 -73.54	2016.50 2.85 -73.53	2019.35 2.86 -73.52	2022.21 2.87 -73.52	2025.08 2.88 -73.51	2027.95 2.89 -73.50	2030.84 2.89 -73.49	2033.74 2.90 -73.48
27..	2036.64 2.91 -73.47	2039.55 2.92 -73.46	2042.47 2.93 -73.46	2045.40 2.94 -73.45	2048.34 2.95 -73.44	2051.29 2.96 -73.43	2054.25 2.97 -73.42	2057.21 2.97 -73.41	2060.19 2.98 -73.41	2063.17 2.99 -73.40

TABLE 2 - $10^5\ \Delta_{s,t}$ FOR SALINITY 14.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
28..	2066.16 3.00 -73.39	2069.16 3.01 -73.38	2072.17 3.02 -73.37	2075.19 3.03 -73.37	2078.22 3.04 -73.36	2081.25 3.04 -73.35	2084.30 3.05 -73.34	2087.35 3.06 -73.34	2090.41 3.07 -73.33	2093.48 3.08 -73.32
29..	2096.56 3.09 -73.31	2099.65 3.10 -73.30	2102.74 3.11 -73.30	2105.85 3.11 -73.29	2108.96 3.12 -73.28	2112.08 3.13 -73.27	2115.22 3.14 -73.27	2118.36 3.15 -73.26	2121.50 3.16 -73.25	2124.66 3.17 -73.25
30..	2127.83 3.17 -73.24	2131.00 3.18 -73.23	2134.18 3.19 -73.22	2137.37 3.20 -73.22	2140.57 3.21 -73.21	2143.78 3.22 -73.20	2147.00 3.23 -73.20	2150.22 3.23 -73.19	2153.46 3.24 -73.18	2156.70 3.25 -73.17
31..	2159.95 3.26 -73.17	2163.21 3.27 -73.16	2166.48 3.28 -73.15	2169.76 3.29 -73.15	2173.04 3.29 -73.14	2176.34 3.30 -73.13	2179.64 3.31 -73.13	2182.95 3.32 -73.12	2186.27 3.33 -73.11	2189.60 3.34 -73.11
32..	2192.94 3.35 -73.10	2196.28 3.35 -73.09	2199.63 3.36 -73.09	2203.00 3.37 -73.08	2206.37 3.38 -73.08	2209.74 3.39 -73.07	2213.13 3.40 -73.06	2216.53 3.40 -73.06	2219.93 3.41 -73.05	2223.34 3.42 -73.04
33..	2226.77 3.43 -73.04	2230.20 3.44 -73.03	2233.63 3.45 -73.02	2237.08 3.45 -73.02	2240.53 3.46 -73.01	2244.00 3.47 -73.01	2247.47 3.48 -73.00	2250.95 3.49 -72.99	2254.44 3.50 -72.99	2257.94 3.51 -72.98

TABLE 2 - $10^5\ \Delta_{s,t}$ FOR SALINITY 14.00-continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
34..	2261.44 3.51 -72.98	2264.95 3.52 -72.97	2268.48 3.53 -72.96	2272.01 3.54 -72.96	2275.55 3.55 -72.95	2279.09 3.56 -72.95	2282.65 3.56 -72.94	2286.21 3.57 -72.93	2289.78 3.58 -72.93	2293.37 3.59 -72.92
35..	2296.95 3.60 -72.92	2300.55 3.61 -72.91	2304.16 3.61 -72.91	2307.77 3.62 -72.90	2311.39 3.63 -72.89	2315.02 3.64 -72.89	2318.66 3.65 -72.88	2322.31 3.66 -72.88	2325.97 3.66 -72.87	2329.63 3.67 -72.87

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 15.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
-1..	1547.62 0.29 -78.86	1547.91 0.31 -78.90	1548.22 0.32 -78.93	1548.54 0.34 -78.97	1548.87 0.35 -79.01	1549.23 0.37 -79.04	1549.60 0.39 -79.08	1549.99 0.40 -79.12	1550.39 0.42 -79.15	1550.81 0.44 -79.19
-0..	1545.62 0.13 -78.51	1545.75 0.14 -78.55	1545.89 0.16 -78.58	1546.05 0.18 -78.62	1546.23 0.19 -78.65	1546.42 0.21 -78.69	1546.63 0.22 -78.72	1546.85 0.24 -78.76	1547.09 0.26 -78.79	1547.35 0.27 -78.83
+0..	1545.62 -0.11 -78.51	1545.51 -0.10 -78.48	1545.41 -0.08 -78.45	1545.33 -0.07 -78.41	1545.26 -0.05 -78.38	1545.21 -0.33 -78.34	1545.18 -0.02 -78.31	1545.16 -0.00 -78.28	1545.16 0.01 -78.24	1545.17 0.03 -78.21
+1..	1545.19 0.04 -78.18	1545.23 0.06 -78.15	1545.29 0.07 -78.11	1545.36 0.09 -78.08	1545.45 0.10 -78.05	1545.55 0.12 -78.02	1545.67 0.13 -77.98	1545.80 0.15 -77.95	1545.95 0.16 -77.92	1546.11 0.18 -77.89
+2..	1546.26 0.19 -77.86	1546.48 0.21 -77.83	1546.68 0.22 -77.80	1546.90 0.23 -77.76	1547.13 0.25 -77.73	1547.38 0.26 -77.70	1547.65 0.28 -77.67	1547.92 0.29 -77.64	1548.22 0.31 -77.61	1548.52 0.32 -77.58
+3..	1548.84 0.33 -77.55	1549.18 0.35 -77.52	1549.53 0.36 -77.49	1549.89 0.38 -77.46	1550.27 0.39 -77.43	1550.66 0.41 -77.40	1551.06 0.42 -77.37	1551.48 0.43 -77.34	1551.92 0.45 -77.32	1552.36 0.46 -77.29

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 15.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
+4..	1552.82 0.47 -77.26	1553.30 0.49 -77.23	1553.79 0.50 -77.20	1554.29 0.52 -77.17	1554.81 0.53 -77.14	1555.33 0.54 -77.12	1555.88 0.56 -77.09	1556.43 0.57 -77.06	1557.00 0.58 -77.03	1557.59 0.60 -77.00
+5..	1558.18 0.61 -76.98	1558.79 0.62 -76.95	1559.42 0.64 -76.92	1560.05 0.65 -76.90	1560.70 0.66 -76.87	1561.36 0.68 -76.84	1562.04 0.69 -76.82	1562.73 0.70 -76.79	1563.43 0.72 -76.76	1564.15 0.73 -76.74
+6..	1564.88 0.74 -76.71	1565.62 0.75 -76.68	1566.37 0.77 -76.66	1567.14 0.78 -76.63	1567.92 0.79 -76.61	1568.71 0.81 -76.58	1569.52 0.82 -76.56	1570.34 0.83 -76.53	1571.17 0.84 -76.50	1572.01 0.86 -76.48
+7..	1572.87 0.87 -76.45	1573.74 0.88 -76.43	1574.62 0.89 -76.40	1575.51 0.91 -76.38	1576.42 0.92 -76.36	1577.34 0.93 -76.33	1578.27 0.94 -76.31	1579.21 0.96 -76.28	1580.17 0.97 -76.26	1581.14 0.98 -76.23
+8..	1582.12 0.99 -76.21	1583.11 1.01 -76.19	1584.12 1.02 -76.16	1585.13 1.03 -76.14	1586.16 1.04 -76.12	1587.21 1.05 -76.09	1588.26 1.07 -76.07	1589.33 1.08 -76.05	1590.40 1.09 -76.02	1591.49 1.10 -76.00
+9..	1592.60 1.11 -75.98	1593.71 1.13 -75.96	1594.84 1.14 -75.93	1595.97 1.15 -75.91	1597.12 1.16 -75.89	1598.28 1.17 -75.87	1599.46 1.19 -75.85	1600.64 1.20 -75.82	1601.84 1.21 -75.80	1603.05 1.22 -75.78

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 15.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
+10. .	1604.27 1.23 -75.76	1605.50 1.24 -75.74	1606.74 1.26 -75.72	1608.00 1.27 -75.69	1609.27 1.28 -75.67	1610.54 1.29 -75.65	1611.83 1.30 -75.63	1613.14 1.31 -75.61	1614.45 1.32 -75.59	1615.77 1.34 -75.57
+11. .	1617.11 1.35 -75.55	1618.46 1.36 -75.53	1619.81 1.37 -75.51	1621.18 1.38 -75.49	1622.56 1.39 -75.47	1623.96 1.40 -75.45	1625.36 1.41 -75.43	1626.77 1.43 -75.41	1628.20 1.44 -75.39	1629.64 1.45 -75.37
+12. .	1631.09 1.46 -75.35	1632.55 1.47 -75.33	1634.02 1.48 -75.31	1635.50 1.49 -75.29	1636.99 1.50 -75.27	1638.49 1.51 -75.25	1640.01 1.53 -75.23	1641.53 1.54 -75.21	1643.07 1.55 -75.20	1644.62 1.56 -75.18
+13. .	1646.18 1.57 -75.16	1647.75 1.58 -75.14	1649.33 1.59 -75.12	1650.92 1.60 75.10	1652.52 1.61 -75.09	1654.13 1.62 -75.07	1655.75 1.63 -75.05	1657.39 1.64 -75.03	1659.03 1.66 -75.01	1660.69 1.67 -75.00
14. .	1662.35 1.68 -74.98	1664.03 1.69 -74.96	1665.72 1.70 -74.94	1667.42 1.71 -74.93	1669.12 1.72 -74.91	1670.84 1.73 -74.89	1672.57 1.74 -74.88	1674.31 1.75 -74.86	1676.06 1.76 -74.84	1677.83 1.77 -74.82
15. .	1679.60 1.78 -74.81	1681.38 1.79 -74.79	1683.17 1.80 -74.77	1684.97 1.81 -74.76	1686.79 1.82 -74.74	1688.61 1.83 -74.73	1690.45 1.84 -74.71	1692.29 1.85 -74.69	1694.14 1.86 -74.68	1696.01 1.88 -74.66

TABLE 2 - $10^5\ \Delta_{s,t}$ FOR SALINITY 15.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
16..	1697.88 1.89 -74.65	1699.77 1.90 -74.63	1701.67 1.91 -74.61	1703.57 1.92 -74.60	1705.49 1.93 -74.58	1707.41 1.94 -74.57	1709.35 1.95 -74.55	1711.30 1.96 -74.54	1713.25 1.97 -74.52	1715.22 1.98 -74.51
17..	1717.20 1.99 -74.49	1719.18 2.00 -74.48	1721.18 2.01 -74.46	1723.19 2.02 -74.45	1725.20 2.03 -74.43	1727.23 2.04 -74.42	1729.27 2.05 -74.41	1731.31 2.06 -74.39	1733.37 2.07 -74.38	1735.44 2.08 -74.36
18..	1737.51 2.09 -74.35	1739.60 2.10 -74.33	1741.70 2.11 -74.32	1743.80 2.12 -74.31	1745.92 2.13 -74.29	1748.05 2.14 -74.28	1750.18 2.15 -74.26	1752.33 2.16 -74.25	1754.48 2.17 -74.24	1756.65 2.17 -74.22
19..	1758.82 2.18 -74.21	1761.01 2.19 -74.20	1763.20 2.20 -74.18	1765.40 2.21 -74.17	1767.62 2.22 -74.16	1769.84 2.23 -74.15	1772.07 2.24 -74.13	1774.32 2.25 -74.12	1776.57 2.26 -74.11	1778.83 2.27 -74.09
20..	1781.10 2.28 -74.08	1783.38 2.29 -74.07	1785.67 2.30 -74.06	1787.97 2.31 -74.04	1790.28 2.32 -74.03	1792.60 2.33 -74.02	1794.93 2.34 -74.01	1797.27 2.35 -74.00	1799.62 2.36 -73.98	1801.97 2.37 -73.97
21..	1804.34 2.38 -73.96	1806.71 2.39 -73.95	1809.10 2.39 -73.94	1811.49 2.40 -73.92	1813.90 2.41 -73.91	1816.31 2.42 -73.90	1818.74 2.43 -73.89	1821.17 2.44 -73.88	1823.61 2.45 -73.87	1826.06 2.46 -73.86

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 15.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22.	1828.52 2.47 -73.84	1830.99 2.48 -73.83	1833.47 2.49 -73.82	1835.96 2.50 -73.81	1838.45 2.51 -73.80	1840.96 2.52 -73.79	1843.46 2.53 -73.78	1846.00 2.53 -73.77	1848.54 2.54 -73.76	1851.08 2.55 -73.75
23.	1853.63 2.56 -73.74	1856.19 2.57 -73.73	1858.77 2.58 -73.71	1861.35 2.59 -73.70	1863.94 2.60 -73.69	1866.53 2.61 -73.68	1869.14 2.62 -73.67	1871.76 2.63 -73.66	1874.39 2.64 -73.65	1877.02 2.64 -73.64
24.	1879.66 2.65 -73.63	1882.32 2.66 -73.62	1884.98 2.67 -73.61	1887.65 2.68 -73.60	1890.33 2.69 -73.59	1893.02 2.70 -73.58	1895.72 2.71 -73.57	1898.43 2.72 -73.57	1901.14 2.73 -73.56	1903.87 2.73 -73.55
25.	1906.60 2.74 -73.54	1909.35 2.75 -73.53	1912.10 2.76 -73.52	1914.86 2.77 -73.51	1917.63 2.78 -73.50	1920.41 2.79 -73.49	1923.20 2.80 -73.48	1926.00 2.81 -73.47	1928.80 2.82 -73.46	1931.62 2.82 -73.45
26.	1934.44 2.83 -73.45	1937.27 2.84 -73.44	1940.12 2.85 -73.43	1942.97 2.86 -73.42	1945.83 2.87 -73.41	1948.69 2.88 -73.40	1951.57 2.89 -73.39	1954.46 2.89 -73.39	1957.35 2.90 -73.38	1960.25 2.91 -73.37
27.	1963.17 2.92 -73.36	1966.09 2.93 -73.35	1969.02 2.94 -73.34	1971.96 2.95 -73.34	1974.90 2.96 -73.33	1977.86 2.96 -73.32	1980.82 2.97 -73.31	1983.80 2.98 -73.30	1986.78 2.99 -73.29	1989.77 3.00 -73.29

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 15.00–Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
28.	1992.77 3.01 -73.28	1995.78 3.02 -73.27	1998.80 3.03 -73.26	2001.82 3.03 -73.26	2004.86 3.04 -73.25	2007.90 3.05 -73.24	2010.95 3.06 -73.23	2014.01 3.07 -73.23	2017.08 3.08 -73.22	2020.16 3.09 -73.21
29.	2023.25 3.10 -73.20	2026.34 3.10 -73.20	2029.45 3.11 -73.19	2032.56 3.12 -73.18	2035.68 3.13 -73.17	2038.81 3.14 -73.17	2041.95 3.15 -73.16	2045.10 3.16 -73.15	2048.25 3.16 -73.14	2051.41 3.17 -73.14
30.	2054.59 3.18 -73.13	2057.77 3.19 -73.12	2060.96 3.20 -73.12	2064.16 3.21 -73.11	2067.36 3.22 -73.10	2070.58 3.22 -73.10	2073.80 3.23 -73.09	2077.04 3.24 -73.08	2080.28 3.25 -73.08	2083.53 3.26 -73.07
31.	2086.79 3.27 -73.06	2090.05 3.28 -73.06	2093.33 3.28 -73.05	2096.61 3.29 -73.04	2099.90 3.30 -73.04	2103.20 3.31 -73.03	2106.51 3.32 -73.02	2109.83 3.33 -73.02	2113.16 3.33 -73.01	2116.49 3.34 -73.00
32.	2119.83 3.35 -73.00	2123.19 3.36 -72.99	2126.55 3.37 -72.99	2129.91 3.38 -72.98	2133.29 3.39 -72.97	2136.68 3.39 -72.97	2140.07 3.40 -72.96	2143.47 3.41 -72.95	2146.88 3.42 -72.95	2150.30 3.43 -72.94
33.	2153.73 3.44 -72.94	2157.16 3.44 -72.93	2160.61 3.45 -72.92	2164.06 3.46 -72.92	2167.52 3.47 -72.91	2170.99 3.48 -72.91	2174.47 3.49 -72.90	2177.96 3.49 -72.90	2181.45 3.50 -72.89	2184.95 3.51 -72.88

TABLE 2 - 10^5 $\Delta_{s,t}$ FOR SALINITY 15.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
33.	2153.73 3.44 -72.94	2157.16 3.44 -72.93	2160.61 3.45 -72.92	2164.06 3.46 -72.92	2167.52 3.47 -72.91	2170.99 3.48 -72.91	2174.47 3.49 -72.90	2177.96 3.49 -72.90	2181.45 3.50 -72.89	2184.95 3.51 -72.88
34.	2188.46 3.52 -72.88	2191.98 3.53 -72.87	2195.51 3.54 -72.87	2199.05 3.54 -72.86	2202.59 3.55 -72.86	2206.15 3.56 -72.85	2209.71 3.57 -72.84	2213.28 3.58 -72.84	2216.86 3.59 -72.83	2220.44 3.59 -72.83
35.	2224.04 3.60 -72.82	2227.64 3.61 -72.82	2231.25 3.62 -72.81	2234.87 3.63 -72.81	2238.50 3.64 -72.80	2242.14 3.64 -72.80	2245.78 3.65 -72.79	2249.43 3.66 -72.79	2253.09 3.67 -72.78	2256.76 3.68 -72.77

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 16.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
-1.	1468.76 0.25 -78.70	1469.01 0.27 -78.74	1469.28 0.29 -78.78	1469.57 0.30 -78.81	1469.87 0.32 -78.85	1470.19 0.33 -78.88	1470.52 0.35 -78.92	1470.87 0.37 -78.96	1471.24 0.38 -78.99	1471.62 0.40 -79.03
-0.	1467.11 0.09 -78.36	1467.20 0.11 -78.39	1467.31 0.13 -78.43	1467.44 0.14 -78.46	1467.58 0.16 -78.49	1467.73 0.17 -78.53	1467.91 0.19 -78.56	1468.10 0.20 -78.60	1468.30 0.22 -78.63	1468.52 0.24 -78.67
+0.	1467.11 -0.08 -78.36	1467.03 -0.06 -78.32	1466.97 -0.05 -78.29	1466.92 -0.03 -78.26	1466.89 -0.02 -78.22	1466.87 -0.00 -78.19	1466.87 0.01 -78.16	1466.88 0.03 -78.12	1466.91 0.04 -78.09	1466.96 0.06 -78.06
+1.	1467.01 0.07 -78.03	1467.09 0.09 -77.99	1467.18 0.10 -77.96	1467.28 0.12 -77.93	1467.40 0.13 -77.90	1467.54 0.15 -77.87	1467.68 0.16 -77.83	1467.85 0.18 -77.80	1468.03 0.19 -77.77	1468.22 0.21 -77.74
+2.	1468.43 0.22 -77.71	1468.65 0.24 -77.68	1468.89 0.25 -77.65	1469.14 0.27 -77.62	1469.40 0.28 -77.59	1469.68 0.29 -77.56	1469.98 0.31 -77.53	1470.28 0.32 -77.49	1470.61 0.34 -77.46	1470.94 0.35 -77.43
+3.	1471.29 0.36 -77.41	1471.66 0.38 -77.38	1472.04 0.39 -77.35	1472.43 0.41 -77.32	1472.84 0.42 -77.29	1473.26 0.43 -77.26	1473.69 0.45 -77.23	1474.14 0.46 -77.20	1474.60 0.48 -77.17	1475.08 0.49 -77.14

TABLE 2 - 10^5 $\Delta_{s,t}$ FOR SALINITY 16.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
4 ...	1475.57 0.50 -77.11	1476.07 0.52 -77.09	1476.59 0.53 -77.06	1477.12 0.54 -77.03	1477.66 0.56 -77.00	1478.22 0.57 -76.97	1478.79 0.58 -76.95	1479.37 0.60 -76.92	1479.97 0.61 -76.89	1480.58 0.62 -76.86
5 ...	1481.21 0.64 -76.84	1481.84 0.65 -76.81	1482.49 0.66 -76.78	1483.16 0.68 -76.76	1483.83 0.69 -76.73	1484.52 0.70 -76.70	1485.23 0.72 -76.68	1485.94 0.73 -76.65	1486.67 0.74 -76.62	1487.41 0.75 -76.60
6 ...	1488.17 0.77 -76.57	1488.93 0.78 -76.55	1489.71 0.79 -76.52	1490.51 0.81 -76.49	1491.31 0.82 -76.47	1492.13 0.83 -76.44	1492.96 0.84 -76.42	1493.81 0.86 -76.39	1494.66 0.87 -76.37	1495.53 0.88 -76.34
7 ...	1496.41 0.89 -76.32	1497.31 0.91 -76.29	1498.21 0.92 -76.27	1499.13 0.93 -76.24	1500.06 0.94 -76.22	1501.01 0.96 -76.20	1501.96 0.97 -76.17	1502.93 0.98 -76.15	1503.91 0.99 -76.12	1504.90 1.00 -76.10
8 ...	1505.91 1.02 -76.08	1506.92 1.03 -76.05	1507.95 1.04 -76.03	1508.99 1.05 -76.01	1510.05 1.07 -75.98	1511.11 1.08 -75.96	1512.19 1.09 -75.94	1513.28 1.10 -75.91	1514.38 1.11 -75.89	1515.49 1.12 -75.87
9 ...	1516.62 1.14 -75.85	1517.75 1.15 -75.82	1518.90 1.16 -75.80	1520.06 1.17 -75.78	1521.23 1.18 -75.76	1522.42 1.20 -75.74	1523.61 1.21 -75.71	1524.82 1.22 -75.69	1526.04 1.23 -75.67	1527.27 1.24 -75.65

TABLE 2 - $10^5\,\Delta_{st}$ FOR SALINITY 16.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
10...	1528.51 1.25 -75.63	1529.76 1.26 -75.61	1531.03 1.28 -75.58	1532.31 1.29 -75.56	1533.59 1.30 -75.54	1534.89 1.31 -75.52	1536.20 1.32 -75.50	1537.53 1.33 -75.48	1538.86 1.35 -75.46	1540.20 1.36 -75.44
11...	1541.56 1.37 -75.42	1542.93 1.38 -75.40	1544.31 1.39 -75.38	1545.70 1.40 -75.36	1547.10 1.41 -75.34	1548.51 1.42 -75.32	1549.93 1.43 -75.30	1551.37 1.45 -75.28	1552.81 1.46 -75.26	1554.27 1.47 -75.24
12...	1555.74 1.48 -75.22	1557.22 1.49 -75.20	1558.71 1.50 -75.18	1560.21 1.51 -75.16	1561.72 1.52 -75.14	1563.24 1.53 -74.13	1564.77 1.54 -75.11	1566.32 1.56 -75.09	1567.87 1.57 -75.07	1569.44 1.58 -75.05
13...	1571.02 1.59 -75.03	1572.60 1.60 -75.01	1574.20 1.61 -75.00	1575.81 1.62 -74.98	1577.43 1.63 -74.96	1579.06 1.64 -74.94	1580.70 1.65 -74.92	1582.36 1.66 -74.91	1584.02 1.67 -74.89	1585.69 1.68 -74.87
14...	1587.38 1.69 -74.85	1589.07 1.70 -74.84	1590.77 1.72 -74.82	1592.49 1.73 -74.80	1594.22 1.74 -74.78	1595.95 1.75 -74.77	1597.70 1.76 -74.75	1599.46 1.77 -74.73	1601.22 1.78 -74.72	1603.00 1.79 -74.70
15...	1604.79 1.80 -74.68	1606.59 1.81 -74.67	1608.40 1.82 -74.65	1610.22 1.83 -74.63	1612.05 1.84 -74.62	1613.89 1.85 -74.60	1615.74 1.86 -74.59	1617.60 1.87 -74.57	1619.47 1.88 -74.55	1621.35 1.89 -74.54

TABLE 2 - $10^5\ \Delta_{st}$ FOR SALINITY 16.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
16...	1623.24 1.90 -74.52	1625.14 1.91 -74.51	1627.05 1.92 -74.49	1628.97 1.93 -74.48	1630.90 1.94 -74.46	1632.85 1.95 -74.45	1634.80 1.96 -74.43	1636.76 1.97 -74.42	1638.73 1.98 -74.40	1640.71 1.99 -74.39
17...	1642.70 2.00 -74.37	1644.71 2.01 -74.36	1646.72 2.02 -74.34	1648.74 2.03 -74.33	1650.77 2.04 -74.31	1652.81 2.05 -74.30	1654.86 2.06 -74.28	1656.92 2.07 -74.27	1658.99 2.08 -74.26	1661.08 2.09 -74.24
18...	1663.17 2.10 -74.23	1665.27 2.11 -74.21	1667.38 2.12 -74.20	1669.50 2.13 -74.19	1671.63 2.14 -74.17	1673.77 2.15 -74.16	1675.92 2.16 -74.15	1678.08 2.17 -74.13	1680.24 2.18 -74.12	1682.42 2.19 -74.10
19...	1684.61 2.20 -74.09	1686.81 2.21 -74.08	1689.02 2.22 -74.07	1691.23 2.23 -74.05	1693.46 2.24 -74.04	1695.70 2.25 -74.03	1697.94 2.26 -74.01	1700.20 2.27 -74.00	1702.46 2.27 -73.99	1704.74 2.28 -73.98
20...	1707.02 2.29 -73.96	1709.31 2.30 -73.95	1711.62 2.31 -73.94	1713.93 2.32 -73.93	1716.25 2.33 -73.91	1718.58 2.34 -73.90	1720.92 2.35 -73.89	1723.27 2.36 -73.88	1725.63 2.37 -73.87	1728.00 2.38 -73.85
21...	1730.38 2.39 -73.84	1732.77 2.40 -73.83	1735.16 2.41 -73.82	1737.57 2.42 -73.81	1739.99 2.43 -73.80	1742.41 2.43 -73.78	1744.85 2.44 -73.77	1747.29 2.45 -73.76	1749.74 2.46 -73.75	1752.20 2.47 -73.74

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 16.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22...	1754.68 2.48 -73.73	1757.16 2.49 -73.72	1759.65 2.50 -73.71	1762.15 2.51 -73.70	1764.65 2.52 -73.68	1767.17 2.53 -73.67	1769.70 2.54 -73.66	1772.23 2.55 -73.65	1774.78 2.55 -73.64	1777.33 2.56 -73.63
23...	1779.90 2.57 -73.62	1782.47 2.58 -73.61	1785.05 2.59 -73.60	1787.64 2.60 -73.59	1790.24 2.61 -73.58	1792.85 2.62 -73.57	1795.47 2.63 -73.56	1798.10 2.64 -73.55	1800.73 2.65 -73.54	1803.38 2.65 -73.53
24...	1806.03 2.66 -73.52	1808.69 2.67 -73.51	1811.37 2.68 -73.50	1814.05 2.69 -73.49	1816.74 2.70 -73.48	1819.44 2.71 -73.47	1822.15 2.72 -73.46	1824.86 2.73 -73.45	1827.59 2.73 -73.44	1830.32 2.74 -73.43
25...	1833.07 2.75 -73.42	1835.82 2.76 -73.42	1838.58 2.77 -73.41	1841.35 2.78 -73.40	1844.13 2.79 -73.39	1846.92 2.80 -73.38	1849.72 2.81 -73.37	1852.52 2.82 -73.36	1855.34 2.82 -73.35	1858.16 2.83 -73.34
26...	1861.00 2.84 -73.34	1863.84 2.85 -73.33	1866.69 2.86 -73.32	1869.55 2.87 -73.31	1872.41 2.88 -73.30	1875.29 2.89 -73.29	1878.18 2.89 -73.28	1881.07 2.90 -73.28	1883.97 2.91 -73.27	1886.89 2.92 -73.26
27...	1889.81 2.93 -73.25	1892.74 2.94 -73.24	1895.67 2.95 -73.23	1898.62 2.96 -73.23	1901.58 2.96 -73.22	1904.54 2.97 -73.21	1907.51 2.98 -73.20	1910.50 2.99 -73.20	1913.49 3.00 -73.19	1916.48 3.01 -73.18

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 16.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
28..	1919.49 3.02 -73.17	1922.51 3.03 -73.16	1925.53 3.03 -73.16	1928.57 3.04 -73.15	1931.61 3.05 -73.14	1934.66 3.06 -73.13	1937.72 3.07 -73.13	1940.79 3.08 -73.12	1943.87 3.09 -73.11	1946.95 3.09 -73.10
29..	1950.04 3.10 -73.10	1953.15 3.11 -73.09	1956.26 3.12 -73.08	1959.38 3.13 -73.08	1962.51 3.14 -73.07	1965.64 3.15 -73.06	1968.79 3.15 -73.05	1971.94 3.16 -73.05	1975.11 3.17 -73.04	1978.28 3.18 -73.03
30..	1981.46 3.19 -73.03	1984.65 3.20 -73.02	1987.84 3.21 -73.01	1991.05 3.21 -73.01	1994.26 3.22 -73.00	1997.48 3.23 -72.99	2000.71 3.24 -72.99	2003.95 3.25 -72.98	2007.20 3.26 -72.97	2010.46 3.26 -72.97
31..	2013.72 3.27 -72.96	2017.00 3.28 -72.95	2020.28 3.29 -72.95	2023.57 3.30 -72.94	2026.87 3.31 -72.94	2030.17 3.32 -72.93	2033.49 3.32 -72.92	2036.81 3.33 -72.92	2040.15 3.34 -72.91	2043.49 3.35 -72.91
32..	2046.84 3.36 -72.90	2050.19 3.37 -72.89	2053.56 3.37 -72.89	2056.93 3.38 -72.88	2060.32 3.39 -72.88	2063.71 3.40 -72.87	2067.11 3.41 -72.86	2070.52 3.42 -72.86	2073.93 3.43 -72.85	2077.36 3.43 -72.85
33..	2080.79 3.44 -72.84	2064.23 3.45 -72.83	2087.68 3.46 -72.83	2091.14 3.47 -72.82	2094.61 3.48 -72.82	2098.08 3.48 -72.81	2101.57 3.49 -72.81	2105.06 3.50 -72.80	2108.56 3.51 -72.80	2112.07 3.52 -72.79

TABLE 2 - $10^5 \Delta_{st}$ FOR SALINITY 16.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
34...	2115.59 3.53 -72.78	2119.11 3.53 -72.78	2122.64 3.54 -72.77	2126.19 3.55 -72.77	2129.74 3.56 -72.76	2133.30 3.57 -72.76	2136.86 3.58 -72.75	2140.44 3.58 -72.75	2144.02 3.59 -72.74	2147.61 3.60 -72.74
35...	2151.21 3.61 -72.73	2154.82 3.62 -72.73	2158.44 3.63 -72.72	2162.06 3.63 -72.72	2165.70 3.64 -72.71	2169.34 3.65 -72.71	2172.99 3.66 -72.70	2176.65 3.67 -72.70	2180.31 3.67 -72.69	2183.99 3.68 -72.69

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 17.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
-1...	1390.05 0.22 -78.55	1390.27 0.23 -78.58	1390.51 0.25 -78.62	1390.76 0.27 -78.66	1391.02 0.28 -78.69	1391.30 0.30 -78.73	1391.60 0.31 -78.76	1391.92 0.33 -78.80	1392.25 0.35 -78.83	1392.60 0.36 -78.87
-0...	1388.75 0.06 -78.21	1388.81 0.08 -78.24	1388.89 0.09 -78.27	1388.98 0.11 -78.31	1389.08 0.12 -78.34	1389.21 0.14 -78.38	1389.34 0.15 -78.41	1389.50 0.17 -78.45	1389.67 0.19 -78.48	1389.85 0.20 -78.51
0...	1388.75 -0.04 -78.21	1388.70 -0.03 -78.17	1388.68 -0.01 -78.14	1388.66 0.00 -78.11	1388.66 0.02 -78.07	1388.68 0.03 -78.04	1388.71 0.05 -78.01	1388.76 0.06 -77.98	1388.82 0.08 -77.94	1388.90 0.09 -77.91
1...	1388.99 0.11 -77.88	1389.10 0.12 -77.85	1389.22 0.14 -77.81	1389.35 0.15 -77.78	1389.50 0.17 -77.75	1389.67 0.18 -77.72	1389.85 0.20 -77.69	1390.05 0.21 -77.66	1390.26 0.22 -77.63	1390.48 0.24 -77.60
2...	1390.72 0.25 -77.56	1390.97 0.27 -77.53	1391.24 0.28 -77.50	1391.52 0.30 -77.47	1391.82 0.31 -77.44	1392.13 0.32 -77.41	1392.45 0.34 -77.38	1392.79 0.35 -77.35	1393.14 0.37 -77.32	1393.51 0.38 -77.29
3...	1393.89 0.39 -77.26	1394.28 0.41 -77.23	1394.69 0.42 -77.20	1395.11 0.44 -77.18	1395.55 0.45 -77.15	1396.00 0.46 -77.12	1396.46 0.48 -77.09	1396.94 0.49 -77.06	1397.43 0.50 -77.03	1397.93 0.52 -77.00

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 17.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
4...	1398.45 0.53 -76.98	1398.98 0.54 -76.95	1399.53 0.56 -76.92	1400.09 0.57 -76.89	1400.66 0.59 -76.86	1401.24 0.60 -76.84	1401.84 0.61 -76.81	1402.45 0.62 -76.78	1403.08 0.64 -76.75	1403.72 0.65 -76.73
5...	1404.37 0.66 -76.70	1405.03 0.68 -76.67	1405.71 0.69 -76.65	1406.40 0.70 -76.62	1407.10 0.72 -76.59	1407.82 0.73 -76.57	1408.55 0.74 -76.54	1409.29 0.76 -76.51	1410.05 0.77 -76.49	1410.81 0.78 -76.46
6...	1411.59 0.79 -76.44	1412.39 0.81 -76.41	1413.19 0.82 -76.39	1414.01 0.83 -76.36	1414.84 0.84 -76.34	1415.69 0.86 -76.31	1416.54 0.87 -76.28	1417.41 0.88 -76.26	1418.29 0.89 -76.24	1419.19 0.91 -76.21
7...	1420.09 0.92 -76.19	1421.01 0.93 -76.16	1421.94 0.94 -76.14	1422.89 0.96 -76.11	1423.84 0.97 -76.09	1424.81 0.98 -76.06	1425.79 0.99 -76.04	1426.78 1.00 -76.02	1427.79 1.02 -75.99	1428.80 1.03 -75.97
8...	1429.83 1.04 -75.95	1430.87 1.05 -75.92	1431.92 1.06 -75.90	1432.99 1.08 -75.88	1434.06 1.09 -75.85	1435.15 1.10 -75.83	1436.25 1.11 -75.81	1437.36 1.12 -75.79	1438.49 1.14 -75.76	1439.62 1.15 -75.74
9...	1440.77 1.16 -75.72	1441.93 1.17 -75.70	1443.10 1.18 -75.67	1444.28 1.19 -75.65	1445.48 1.21 -75.63	1446.68 1.22 -75.61	1447.90 1.23 -75.59	1449.13 1.24 -75.56	1450.37 1.25 -75.54	1451.62 1.26 -75.52

TABLE 2 - 10^5 Δst FOR SALINITY 17.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
10...	1452.88 1.27 -75.50	1454.16 1.29 -75.48	1455.44 1.30 -75.46	1456.74 1.31 -75.44	1458.05 1.32 -75.42	1459.37 1.33 -75.40	1460.70 1.34 -75.37	1462.05 1.35 -75.35	1463.40 1.37 -75.33	1464.77 1.38 -75.31
11...	1466.14 1.39 -75.29	1467.53 1.40 -75.27	1468.93 1.41 -75.25	1470.34 1.42 -75.23	1471.76 1.43 -75.21	1473.19 1.44 -75.19	1474.63 1.45 -75.17	1476.09 1.47 -75.15	1477.55 1.48 -75.14	1479.03 1.49 -75.12
12...	1480.52 1.50 -75.10	1482.02 1.51 -75.08	1483.52 1.52 -75.06	1485.04 1.53 -75.04	1486.57 1.54 -75.02	1488.12 1.55 -75.00	1489.67 1.56 -74.98	1491.23 1.57 -74.96	1492.81 1.58 -74.95	1494.39 1.60 -74.93
13...	1495.99 1.61 74.91	1497.59 1.62 -74.89	1499.21 1.63 -74.87	1500.83 1.64 -74.86	1502.47 1.65 -74.84	1504.12 1.66 -74.82	1505.78 1.67 -74.80	1507.45 1.68 -74.78	1509.13 1.69 -74.77	1510.82 1.70 -74.75
14...	1512.52 1.71 -74.73	1514.23 1.72 -74.71	1515.96 1.73 -74.70	1517.69 1.74 -74.68	1519.43 1.75 -74.66	1521.18 1.76 -74.65	1522.95 1.77 -74.63	1524.72 1.78 -74.61	1526.51 1.79 -74.60	1528.30 1.80 -74.58
15...	1530.11 1.82 -74.56	1531.92 1.83 -74.55	1533.75 1.84 -74.53	1535.58 1.85 -75.51	1537.43 1.86 -74.50	1539.28 1.87 -74.48	1541.15 1.88 -74.47	1543.03 1.89 -74.45	1544.91 1.90 -74.44	1546.81 1.91 -74.42

TABLE 2 - $10^5\ \Delta_{st}$ FOR SALINITY 17.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
16...	1548.72 1.92 -74.40	1550.63 1.93 -74.39	1552.56 1.94 -74.37	1554.50 1.95 -74.36	1556.44 1.96 -74.34	1558.40 1.97 -74.33	1560.37 1.98 -74.31	1562.34 1.99 -74.30	1564.33 2.00 -74.28	1561.33 2.01 -74.27
17...	1568.33 2.02 -74.25	1570.35 2.03 -74.24	1572.38 2.04 -74.22	1574.41 2.05 -74.21	1576.46 2.06 -74.20	1578.51 2.07 -74.18	1580.58 2.08 -73.17	1582.65 2.09 -74.15	1584.74 2.10 -75.14	1586.83 2.10 -74.12
18...	1588.94 2.11 -74.11	1591.05 2.12 -74.10	1593.18 2.13 -74.08	1595.31 2.14 -74.07	1597.46 2.15 -74.06	1599.61 2.16 -74.04	1601.77 2.17 -74.03	1603.94 2.18 -74.02	1606.13 2.19 -74.00	1608.32 2.20 -73.99
19...	1610.52 2.21 -73.98	1612.73 2.22 -73.96	1614.95 2.23 -73.95	1617.18 2.24 -73.94	1619.42 2.25 -73.92	1621.67 2.26 -73.91	1623.93 2.27 -73.90	1626.20 2.28 -73.89	1628.47 2.29 -73.87	1630.76 2.30 -73.86
20...	1633.06 2.31 -73.85	1635.36 2.32 -73.84	1637.68 2.32 -73.82	1640.00 2.33 -73.81	1642.34 2.34 -73.80	1644.68 2.35 -73.79	1647.03 2.36 -73.78	1649.39 2.37 -73.76	1651.77 2.38 -73.75	1654.15 2.39 -73.74
21...	1656.54 2.40 -73.73	1658.94 2.41 -73.72	1661.35 2.42 -73.71	1663.76 2.43 -73.69	1666.19 2.44 -73.68	1668.63 2.45 -73.67	1671.07 2.46 -73.66	1673.53 2.46 -73.65	1675.99 2.47 -73.64	1678.47 2.48 -73.63

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 17.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22...	1680.95 2.49 -73.62	1683.44 2.50 -73.61	1685.94 2.51 -73.59	1688.45 2.52 -73.58	1690.97 2.53 -73.57	1693.50 2.54 -73.56	1696.04 2.55 -73.55	1698.58 2.56 -73.54	1701.14 2.56 -73.53	1703.70 2.57 -73.52
23...	1706.28 2.58 -73.51	1708.86 2.59 -73.50	1711.45 2.60 -73.49	1714.05 2.61 -73.48	1716.66 2.62 -73.47	1719.28 2.63 -73.46	1721.91 2.64 -73.45	1724.55 2.65 -73.44	1727.19 2.66 -73.43	1729.85 2.66 -73.42
24...	1732.51 2.67 -73.41	1735.18 2.68 -73.40	1737.87 2.69 -73.39	1740.56 2.70 -73.38	1743.26 2.71 -73.37	1745.97 2.72 -73.36	1748.68 2.73 -73.35	1751.41 2.74 -73.34	1754.15 2.74 -73.33	1756.89 2.75 -73.33
25...	1759.64 2.76 -73.32	1762.41 2.77 -73.31	1765.18 2.78 -73.30	1767.96 2.79 -73.29	1770.74 2.80 -73.28	1773.54 2.81 -73.27	1776.35 2.82 -73.26	1779.16 2.82 -73.25	1781.99 2.83 -73.25	1784.82 2.84 -73.24
26...	1787.66 2.85 -73.23	1790.51 2.86 -73.22	1793.37 2.87 -73.21	1796.24 2.88 -73.20	1799.11 2.89 -73.19	1802.00 2.89 -73.19	1804.89 2.90 -73.18	1807.80 2.91 -73.17	1810.71 2.92 -73.16	1813.63 2.93 -73.15
27...	1816.56 2.94 -73.15	1819.49 2.95 -73.14	1822.44 2.95 -73.13	1825.39 2.96 -73.12	1828.26 2.97 -73.11	1831.33 2.98 -73.11	1834.31 2.99 -73.10	1837.30 3.00 -73.09	1840.30 3.01 -73.08	1843.31 3.02 -73.08

TABLE 2 - 10^5 $\Delta_{s,t}$ FOR SALINITY 17.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
28..	1846.32 3.02 -73.07	1849.34 3.03 -73.06	1852.38 3.04 -73.05	1855.42 3.05 -73.05	1858.47 3.06 -73.04	1861.53 3.07 -73.03	1864.59 3.08 -73.02	1867.67 3.08 -73.02	1870.75 3.09 -73.01	1873.85 3.10 -73.00
29..	1876.95 3.11 -73.00	1880.06 3.12 -72.99	1883.18 3.13 -72.98	1886.30 3.14 -72.97	1889.44 3.14 -72.97	1892.58 3.15 -72.96	1895.73 3.16 -72.95	1898.90 3.17 -72.95	1902.07 3.18 -72.94	1905.24 3.19 -72.93
30..	1908.43 3.20 -72.93	1911.62 3.20 -72.92	1914.83 3.21 -72.91	1918.04 3.22 -72.91	1921.26 3.23 -72.90	1924.49 3.24 -72.90	1927.73 3.25 -72.89	1930.97 3.25 -72.88	1934.23 3.26 -72.88	1937.49 3.27 -72.87
31..	1940.76 3.28 -72.86	1944.04 3.29 -72.86	1947.33 3.30 -72.85	1950.63 3.30 -72.85	1953.93 3.31 -72.84	1957.24 3.32 -72.83	1960.57 3.33 -72.83	1963.90 3.34 -72.82	1967.23 3.35 -72.82	1970.58 3.36 -72.81
32..	1973.94 3.36 -72.80	1977.30 3.37 -72.80	1980.67 3.38 -72.79	1984.05 3.39 -72.79	1987.44 3.40 -72.78	1990.84 3.41 -72.78	1994.25 3.41 -72.77	1997.66 3.42 -72.76	2001.08 3.43 -72.76	2004.51 3.44 -72.75
33..	2007.95 3.45 -72.75	2011.40 3.46 -72.74	2014.85 3.46 -72.74	2018.32 3.47 -72.73	2021.79 3.48 -72.73	2025.27 3.49 -72.72	2028.76 3.50 -72.72	2032.26 3.51 -72.71	2035.76 3.51 -72.71	2039.28 3.52 -72.70

TABLE 2 - 10^5 $\Delta_{s,t}$ FOR SALINITY 17.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
34...	2042.80 3.53 -72.69	2046.33 3.54 -72.69	2049.87 3.55 -72.68	2053.42 3.56 -72.68	2056.97 3.56 -72.67	2060.54 3.57 -72.67	2064.11 3.58 -72.66	2067.69 3.59 -72.66	2071.28 3.60 -72.65	2074.88 3.61 -72.65
35...	2078.48 3.61 -72.65	2082.10 3.62 -72.64	2085.72 3.63 -72.64	2089.35 3.64 -72.63	2092.99 3.65 -72.63	2096.63 3.65 -72.62	2100.29 3.66 -72.62	2103.95 3.67 -72.63	2107.62 3.68 -72.61	2111.30 3.69 -72.60

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY [illegible]

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
-1...	1311.[illegible]0 0.18 -78.48	1311.69 0.20 -78.43	1311.89 0.21 -78.47	1312.10 0.23 -78.50	1312.33 0.25 -78.54	1312.58 0.26 -78.57	1312.84 0.28 -78.61	1313.12 0.30 -78.65	1313.41 0.31 -78.68	1313.73 0.33 -78.62
-0...	1310.54 0.03 -78.06	1310.57 0.04 -78.09	1310.61 0.06 -78.13	1310.67 0.07 -78.16	1310.74 0.09 -78.19	1310.83 0.10 -78.23	1310.93 0.12 -78.26	1311.05 0.14 -78.30	1311.19 0.15 -78.33	1311.34 0.17 -78.36
0...	1310.54 -0.01 -78.06	1310.53 0.00 -78.03	1310.54 0.02 -77.99	1310.55 0.03 -77.96	1310.59 0.05 -77.93	1310.64 0.06 -77.90	1310.70 0.08 -77.86	1310.78 0.09 -77.83	1310.88 0.11 -77.80	1310.99 0.12 -77.77
1...	1311.11 0.14 -77.74	1311.25 0.15 -77.70	1311.40 0.17 -77.67	1311.57 0.18 -77.64	1311.75 0.20 -77.61	1311.95 0.21 -77.58	1312.16 0.23 -77.55	1312.39 0.24 -77.52	1312.63 0.26 -77.49	1312.88 0.27 -77.4[illegible]
2...	1313.15 0.28 -77.42	1313.44 0.30 -77.39	1313.74 0.31 -77.36	1314.05 0.33 -77.33	1314.37 0.34 -77.30	1314.71 0.35 -77.27	1315.07 0.37 -77.24	1315.44 0.38 -77.21	1315.82 0.40 -77.18	1316.21 0.41 -77.16
3...	1316.62 0.42 -77.13	1317.05 0.44 -77.10	1317.49 0.45 -77.07	1317.94 0.47 -77.04	1318.40 0.48 -77.01	1318.88 0.49 -76.98	1319.37 0.51 -76.95	1319.88 0.52 -76.92	1320.40 0.53 -76.90	1320.93 0.55 -76.87

TABLE 2 - 10^5 Δst FOR SALINITY 18.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
4..	1321.48 0.56 -76.84	1322.04 0.57 -76.81	1322.61 0.59 -76.78	1323.20 0.60 -76.76	1323.80 0.61 -76.73	1324.41 0.63 -76.70	1325.03 0.64 -76.68	1325.67 0.65 -76.65	1326.33 0.66 -76.62	1326.99 0.68 -76.59
5..	1327.67 0.69 -76.57	1328.36 0.70 -76.54	1329.06 0.72 -76.51	1329.78 0.73 -76.49	1330.51 0.74 -76.46	1331.25 0.76 -76.44	1332.01 0.77 -76.41	1332.78 0.78 -76.38	1333.56 0.79 -76.36	1334.35 0.81 -76.33
6..	1335.16 0.82 -76.31	1335.98 0.83 -76.28	1336.81 0.84 -76.26	1337.65 0.86 -76.23	1338.51 0.87 -76.21	1339.38 0.88 -76.18	1340.26 0.89 -76.16	1341.15 0.91 -76.13	1342.06 0.92 -76.11	1342.98 0.93 -76.08
7..	1343.91 0.94 -76.06	1344.85 0.96 -76.03	1345.81 0.97 -76.01	1346.77 0.98 -75.99	1347.75 0.99 -75.96	1348.74 1.00 -75.94	1349.75 1.02 -75.91	1350.76 1.03 -75.89	1351.79 1.04 -75.87	1352.83 1.05 -75.84
8..	1353.88 1.06 -75.82	1354.95 1.08 -75.80	1356.02 1.09 -75.77	1357.11 1.10 -75.75	1358.21 1.11 -75.73	1359.32 1.12 -75.71	1360.44 1.13 -75.68	1361.58 1.15 -75.66	1362.72 1.16 -75.64	1363.88 1.17 -75.62
9..	1365.05 1.18 -75.59	1366.23 1.19 -75.57	1367.43 1.20 -75.55	1368.63 1.22 -75.53	1369.85 1.23 -75.51	1371.07 1.24 -75.48	1372.31 1.25 -75.46	1373.56 1.26 -75.44	1374.83 1.27 -75.42	1376.10 1.28 -75.40

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 18.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
10..	1377.38 1.30 -75.38	1378.68 1.31 -75.36	1379.99 1.32 -75.34	1381.31 1.33 -75.31	1382.63 1.34 -75.29	1383.98 1.35 -75.27	1385.33 1.36 -75.25	1386.69 1.37 -75.23	1388.07 1.39 -75.21	1389.45 1.40 -75.19
11..	1390.85 1.41 -75.17	1392.26 1.42 -75.15	1393.68 1.43 -75.13	1395.11 1.44 -75.11	1396.55 1.45 -75.09	1398.00 1.46 -75.07	1399.46 1.47 -75.05	1400.93 1.48 -75.03	1402.42 1.50 -75.01	1403.91 1.51 -75.00
12..	1405.42 1.52 -74.98	1406.94 1.53 -74.96	1408.47 1.54 -74.94	1410.00 1.55 -74.92	1411.55 1.56 -74.90	1413.11 1.57 -74.88	1414.69 1.58 -74.86	1416.27 1.59 -74.85	1417.86 1.60 -74.83	1419.46 1.61 -74.81
13..	1421.08 1.62 -74.79	1422.70 1.63 -74.77	1424.33 1.65 -74.75	1425.98 1.66 -74.74	1427.64 1.67 -74.72	1429.30 1.68 -74.70	1430.98 1.69 -74.68	1432.67 1.70 -74.67	1434.36 1.71 -74.65	1436.07 1.72 -74.63
14..	1437.79 1.73 -74.61	1439.52 1.74 -74.60	1441.26 1.75 -74.58	1443.01 1.76 -74.56	1444.77 1.77 -74.55	1446.54 1.78 -74.53	1448.32 1.79 -74.51	1450.11 1.80 -74.50	1451.91 1.81 -74.48	1453.72 1.82 -74.46
15..	1455.54 1.83 -74.45	1457.37 1.84 -74.43	1459.21 1.85 -74.42	1461.07 1.86 -74.40	1462.93 1.87 -74.38	1464.80 1.88 -74.37	1466.68 1.89 -74.35	1468.57 1.90 -74.34	1470.48 1.91 -74.32	1472.39 1.92 -74.30

TABLE 2 - 10^5 Δs,t FOR SALINITY 18.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
16..	1474.31 1.93 -74.29	1476.24 1.94 -74.27	1478.19 1.95 -74.26	1480.14 1.96 -74.24	1482.10 1.97 -74.23	1484.07 1.98 -74.21	1486.05 1.99 -74.20	1488.04 2.00 -74.18	1490.05 2.01 -74.17	1492.06 2.02 -74.15
17..	1494.08 2.03 -74.14	1496.11 2.04 -74.12	1498.15 2.05 -74.11	1500.20 2.06 -74.10	1502.26 2.07 -74.08	1504.33 2.08 -74.07	1506.41 2.09 -74.05	1508.50 2.10 -74.04	1510.60 2.11 -74.03	1512.71 2.12 -74.01
18..	1514.83 2.13 -74.00	1516.96 2.14 -73.98	1519.09 2.15 -73.97	1521.24 2.16 -73.96	1523.40 2.17 -73.94	1525.57 2.18 -73.93	1527.74 2.19 -73.92	1529.93 2.20 -73.90	1532.12 2.20 -73.89	1534.33 2.21 -73.88
19..	1536.54 2.22 -73.86	1538.77 2.23 -73.85	1541.00 2.24 -73.84	1543.24 2.25 -73.83	1545.50 2.26 -73.81	1547.76 2.27 -73.80	1550.03 2.28 -73.79	1552.31 2.29 -73.78	1554.60 2.30 -73.76	1556.90 2.31 -73.75
20..	1559.21 2.32 -73.74	1561.53 2.33 -73.73	1563.85 2.34 -73.71	1566.19 2.35 -73.70	1568.54 2.36 -73.69	1570.89 2.36 -73.68	1573.26 2.37 -73.67	1575.63 2.38 -73.65	1578.01 2.39 -73.64	1580.41 2.40 -73.63
21..	1582.81 2.41 -73.62	1585.22 2.42 -73.61	1587.64 2.43 -73.60	1590.07 2.44 -73.59	1592.51 2.45 -73.57	1594.96 2.46 -73.56	1597.41 2.47 -73.55	1599.88 2.48 -73.54	1602.35 2.48 -73.53	1604.84 2.49 -73.52

TABLE 2 - 10^5 Δs,t FOR SALINITY 18.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22..	1607.33 2.50 -73.51	160[illegible].83 2.51 -73.50	1612.3[illegible] 2.52 -73.49	1614.87 2.53 -73.48	1617.40 2.54 -73.47	161[illegible].94 2.55 -73.45	1622.48 2.56 -73.44	162[illegible].04 2.57 -73.43	1627.61 2.58 -73.42	1630.18 2.58 -73.41
23..	1632.77 2.59 -73.40	1635.36 2.60 -73.39	1637.96 2.61 -73.38	1640.57 2.62 -73.37	1643.19 2.63 -73.36	1645.82 2.64 -73.35	1648.46 2.65 -73.34	1651.11 2.66 -73.33	1653.76 2.66 -73.32	1656.43 2.67 -73.31
24..	1659.10 2.68 -73.30	1661.78 2.69 -73.29	1664.48 2.70 -73.29	1667.18 2.71 -73.28	1669.89 2.72 -73.27	1672.60 2.73 -73.26	1675.33 2.74 -73.25	1678.07 2.74 -73.24	1680.81 2.75 -73.23	1683.56 2.76 -73.22
25..	1686.33 2.77 -73.21	1689.10 2.78 -73.20	1691.88 2.79 -73.19	1694.67 2.80 -73.19	1697.46 2.81 -73.18	1700.27 2.81 -73.17	1703.09 2.82 -73.16	1705.91 2.83 -73.15	1708.74 2.84 -73.14	1711.58 2.85 -73.13
26..	1714.43 2.86 -73.13	1717.29 2.87 -73.12	1720.16 2.88 -73.11	1723.03 2.88 -73.10	1725.92 2.89 -73.09	1728.81 2.90 -73.08	1731.72 2.91 -73.08	1734.63 2.92 -73.07	1737.55 2.93 -73.06	1740.47 2.94 -73.05
27..	1743.41 2.95 -73.04	1746.36 2.95 -73.04	1749.31 2.96 -73.03	1752.27 2.97 -73.02	1755.24 2.98 -73.01	1758.22 2.99 -73.01	1761.21 3.00 -73.00	1764.21 3.01 -72.99	1767.22 3.01 -72.98	1770.23 3.02 -72.98

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 18.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
28..	1773.25 3.03 -72.97	1776.28 3.04 -72.96	1779.23 3.05 -72.95	1782.37 3.06 -72.95	1785.43 3.07 -72.94	1788.50 3.07 -72.93	1791.57 3.08 -72.93	1794.65 3.09 -72.92	1797.74 3.10 -72.91	1800.84 3.11 -72.90
29..	1803.95 3.12 -72.90	1807.07 3.13 -72.89	1810.19 3.13 -72.88	1813.33 3.14 -72.88	1816.47 3.15 -72.87	1819.62 3.16 -72.86	1822.78 3.17 -72.86	1825.95 3.18 -72.85	1829.12 3.18 -72.84	1832.31 3.19 -72.84
30..	1835.50 3.20 -72.83	1838.70 3.21 -72.83	1841.93 3.22 -72.82	1845.13 3.23 -72.81	1848.36 3.24 -72.81	1851.59 3.24 -72.80	1854.84 3.25 -72.79	1858.09 3.26 -72.79	1861.35 3.27 -72.78	1864.62 3.28 -72.78
31..	1867.90 3.29 -72.77	1871.18 3.29 -72.76	1874.48 3.30 -72.76	1877.78 3.31 -72.75	1881.09 3.32 -72.75	1884.41 3.33 -72.74	1887.74 3.34 -72.73	1891.07 3.34 -72.73	1894.42 3.35 -72.72	1897.77 3.36 -72.72
32..	1901.13 3.37 -72.71	1904.50 3.38 -72.71	1907.88 3.39 -72.70	1911.27 3.39 -72.70	1914.66 3.40 -72.69	1918.06 3.41 -72.69	1921.48 3.42 -72.68	1924.90 3.43 -72.67	1928.32 3.44 -72.67	1931.76 3.44 -72.66
33..	1935.20 3.45 -72.66	1938.66 3.45 -72.65	1942.12 3.47 -72.65	1945.59 3.48 -72.64	1949.07 3.49 -72.64	1952.55 3.49 -72.63	1956.05 3.50 -72.63	1959.55 3.51 -72.62	1963.06 3.52 -72.62	1966.58 3.53 -72.61

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 18.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
34..	1970.11 3.54 -72.61	1973.64 3.54 -72.60	1977.19 3.55 -72.60	1980.74 3.56 -72.59	1984.30 3.57 -72.59	1987.87 3.58 -72.58	1991.45 3.59 -72.58	1995.03 3.59 -72.58	1998.62 3.60 -72.57	2002.23 3.61 -72.57
35..	2005.84 3.62 -72.56	2009.46 3.63 -72.56	2013.08 3.63 -72.55	2016.72 3.64 -72.55	2020.36 3.65 -72.54	2024.01 3.66 -72.54	2027.67 3.67 -72.54	2031.34 3.68 -72.53	2035.02 3.68 -72.53	2038.70 3.69 -72.52

TABLE 2 - $10^5\ \Delta_{s,t}$ FOR SALINITY 19.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
-1..	1233.11 0.15 -78.25	1233.25 0.16 -78.29	1233.42 0.18 -78.32	1233.60 0.20 -78.36	1233.79 0.21 -78.39	1234.00 0.23 -78.43	1234.23 0.24 -78.46	1234.47 0.26 -78.50	1234.73 0.28 -78.53	1235.01 0.29 -78.57
-0..	1232.48 0.01 -77.92	1232.48 0.01 -77.95	1232.48 0.02 -77.98	1232.51 0.04 -78.02	1232.55 0.05 -78.05	1232.60 0.07 -78.08	1232.67 0.09 -78.12	1232.76 0.10 -78.15	1232.86 0.12 -78.19	1232.97 0.13 -78.22
0.	1232.48 0.02 -77.92	1232.50 0.04 -77.89	1232.54 0.05 -77.85	1232.59 0.07 -77.82	1232.66 0.08 -77.79	1232.74 0.10 -77.76	1232.84 0.11 -77.72	1232.95 0.13 -77.69	1233.08 0.14 -77.66	1233.22 0.16 -77.63
1..	1233.37 0.17 -77.60	1233.54 0.19 -77.57	1233.73 0.20 -77.53	1233.93 0.21 -77.50	1234.14 0.23 -77.47	1234.37 0.24 -77.44	1234.62 0.26 -77.41	1234.87 0.27 -77.38	1235.14 0.29 -77.35	1235.43 0.30 -77.32
2..	1235.73 0.31 -77.29	1236.04 0.33 -77.26	1236.37 0.34 -77.23	1236.71 0.36 -77.20	1237.07 0.37 -77.17	1237.44 0.38 -77.14	1237.82 0.40 -77.11	1238.22 0.41 -77.08	1238.63 0.43 -77.05	1239.06 0.44 -77.02
3..	1239.50 0.45 -76.99	1239.95 0.47 -76.96	1240.42 0.48 -76.94	1240.90 0.49 76.91	1241.39 0.51 -76.88	1241.90 0.52 -76.85	1242.42 0.53 -76.82	1242.95 0.55 -76.79	1243.50 0.56 -76.77	1244.06 0.57 -76.74

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TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 19.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
4..	1244.64 0.59 -76.71	1245.22 0.60 -76.68	1245.83 0.61 -76.65	1246.44 0.63 -76.63	1247.07 0.64 -76.60	1247.71 0.65 -76.57	1248.36 0.67 -76.55	1249.03 0.68 -76.52	1249.70 0.69 -76.49	1250.40 0.71 -76.47
5..	1251.10 0.72 -76.44	1251.82 0.73 -76.41	1252.55 0.74 -76.39	1253.29 0.76 -76.36	1254.05 0.77 -76.33	1254.82 0.78 -76.31	1255.60 0.79 -76.28	1256.39 0.81 -76.26	1257.20 0.82 -76.23	1258.02 0.83 -76.21
6..	1258.85 0.84 -76.18	1259.70 0.86 -76.16	1260.55 0.87 -76.13	1261.42 0.88 -76.11	1262.30 0.89 -76.08	1263.20 0.91 -76.06	1264.10 0.92 -76.03	1265.02 0.93 -76.01	1265.95 0.94 -75.98	1266.90 0.96 -75.96
7..	1267.85 0.97 -75.93	1268.82 0.98 -75.91	1269.80 0.99 -75.89	1270.79 1.00 -75.86	1271.79 1.02 -75.84	1272.81 1.03 -75.81	1273.83 1.04 -75.79	1274.87 1.05 -75.77	1275.93 1.06 -75.74	1276.99 1.07 -75.72
8..	1278.06 1.09 -75.70	1279.15 1.10 -75.67	1280.25 1.11 -75.65	1281.36 1.12 -75.63	1282.48 1.13 -75.61	1283.62 1.15 -75.58	1284.76 1.16 -75.56	1285.92 1.17 -75.54	1287.09 1.18 -75.52	1288.27 1.19 -75.50
9..	1289.46 1.20 -75.47	1290.66 1.21 -75.45	1291.88 1.23 -75.43	1293.10 1.24 -75.41	1294.34 1.25 -75.39	1295.59 1.26 -75.36	1296.85 1.27 -75.34	1298.12 1.28 -75.32	1299.41 1.29 -75.30	1300.70 1.31 -75.28

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 19.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
10..	1302.01 1.32 -75.26	1303.32 1.33 -75.24	1304.65 1.34 -75.22	1305.99 1.35 -75.20	1307.34 1.36 -75.18	1308.70 1.37 -75.16	1310.08 1.38 -75.14	1311.46 1.39 -75.11	1312.85 1.41 -75.09	1314.26 1.42 -75.07
11..	1315.68 1.43 -75.05	1317.10 1.44 -75.03	1318.54 1.45 -75.02	1319.99 1.46 -75.00	1321.45 1.47 -74.98	1322.92 1.48 -74.96	1324.41 1.49 -74.94	1325.90 1.50 -74.92	1327.40 1.51 -74.90	1328.92 1.53 -74.88
12..	1330.44 1.54 -74.86	1331.98 1.55 -74.84	1333.53 1.56 -74.82	1335.08 1.57 -74.80	1336.65 1.58 -74.79	1338.23 1.59 -74.77	1339.82 1.60 -74.75	1341.42 1.61 -74.73	1343.03 1.62 -74.71	1344.65 1.63 -74.69
13..	1346.28 1.64 -74.68	1347.93 1.65 -74.66	1349.58 1.66 -74.64	1351.24 1.67 -74.62	1352.92 1.68 -74.61	1354.60 1.69 -74.59	1356.29 1.70 -74.57	1358.00 1.72 -74.55	1359.71 1.73 -74.54	1361.44 1.74 -74.52
14..	1363.18 1.75 -74.50	1364.92 1.76 -74.48	1366.68 1.77 -74.47	1368.44 1.78 -74.45	1370.22 1.79 -74.43	1372.01 1.80 -74.42	1373.80 1.81 -74.40	1375.61 1.82 -74.38	1377.43 1.83 -73.37	1379.26 1.84 -74.35
15..	1381.09 1.85 -74.34	1382.94 1.86 -74.32	1384.80 1.87 -74.30	1386.67 1.88 -74.29	1388.55 1.89 -74.27	1390.43 1.90 -74.26	1392.33 1.91 -74.24	1394.24 1.92 -74.22	1396.16 1.93 -74.21	1398.08 1.94 -74.19

TABLE 2 - 10^5 Δs,t FOR SALINITY 19.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
16..	1400.01 1.95 -74.18	1401.97 1.96 -74.16	1403.93 1.97 -74.15	1405.89 1.98 -74.13	1407.87 1.99 -74.12	1409.86 2.00 -74.10	1411.85 2.01 -74.09	1413.86 2.02 -74.07	1415.88 2.03 -74.06	1417.90 2.04 -74.04
17..	1419.94 2.05 -74.03	1421.99 2.06 -74.02	1424.04 2.07 -74.00	1426.11 2.07 -73.99	1428.18 2.08 -73.97	1430.26 2.09 -73.96	1432.36 2.10 -73.94	1434.46 2.11 -73.93	1436.58 2.12 -73.92	1438.70 2.13 -73.90
18..	1440.83 2.14 -73.89	1442.97 2.15 -73.88	1445.12 2.16 -73.86	1447.29 2.17 -73.85	1449.46 2.18 -73.84	1451.64 2.19 -73.82	1453.83 2.20 -73.81	1456.02 2.21 -73.80	1458.23 2.22 -73.78	1460.45 2.23 -73.77
19..	1462.68 2.24 -73.76	1464.92 2.25 -73.74	1467.16 2.26 -73.73	1469.42 2.27 -73.72	1471.68 2.27 -73.71	1473.96 2.28 -73.69	1476.24 2.29 -73.68	1478.53 2.30 -73.67	1480.84 2.31 -73.66	1483.15 2.32 -73.64
20..	1485.47 2.33 -73.63	1487.80 2.34 -73.62	1490.14 2.35 -73.61	1492.49 2.36 -73.60	1494.85 2.37 -73.58	1497.21 2.38 -73.57	1499.59 2.39 -73.56	1501.98 2.40 -73.55	1504.37 2.40 -73.54	1506.78 2.41 -73.53
21..	1509.19 2.42 -73.51	1511.61 2.43 -73.50	1514.04 2.44 -73.49	1516.48 2.45 -73.48	1518.93 2.46 -73.47	1521.39 2.47 -73.46	1523.86 2.48 -73.45	1526.34 2.49 -73.44	1528.82 2.50 -73.43	1531.32 2.50 -73.41

TABLE 2 - 10^5 $\Delta s,t$ FOR SALINITY 19.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22..	1533.82 2.51 -73.40	1536.34 2.52 -73.39	1538.86 2.53 -73.38	1541.39 2.54 -73.37	1543.93 2.55 -73.36	1546.48 2.56 -73.35	1549.04 2.57 -73.34	1551.61 2.58 -73.33	1554.18 2.59 -73.32	1556.77 2.59 -73.31
23..	1559.36 2.60 -73.30	1561.97 2.61 -73.29	1564.58 2.62 -73.28	1567.20 2.63 -73.27	1569.83 2.64 -73.26	1572.47 2.65 -73.25	1575.12 2.66 -73.24	1577.77 2.67 -73.23	1580.44 2.67 -73.22	1583.11 2.68 -73.21
24..	1585.80 2.69 -73.20	1588.49 2.70 -73.19	1591.19 2.71 -73.18	1593.90 .72 -73.17	1596.62 2.73 -73.17	1599.35 2.74 -73.16	1602.08 2.74 -73.15	1604.83 2.75 -73.14	1607.58 2.76 -73.13	1610.34 2.77 -73.12
25..	1613.12 2.78 -73.11	1615.90 2.79 -73.10	1618.68 2.80 -73.09	1621.48 2.81 -73.09	1624.29 2.81 -73.08	1627.10 2.82 -73.07	1629.93 2.83 -73.06	1632.76 2.84 -73.05	1635.[illegible]0 2.85 -73.04	1638.45 2.86 -73.03
26..	1641.31 2.87 -73.03	1644.17 2.88 -73.02	1647.05 2.88 -73.01	1649.93 2.89 -73.00	1652.83 2.90 -72.99	1655.73 2.91 -72.99	1658.64 2.92 -72.98	1661.56 2.93 -72.97	1664.49 2.94 -72.96	1667.42 2.94 -72.95
27..	1670.37 2.95 -72.95	1673.32 2.96 -72.94	1676.28 2.97 -72.93	1679.25 2.98 -72.92	1682.23 2.99 -72.92	1685.22 3.00 -72.91	1688.21 3.00 -72.90	1691.22 3.01 -72.89	1694.23 3.02 -72.89	1697.25 3.03 -72.88

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 19.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
28..	1700.28 3.04 -72.87	1703.32 3.05 -72.87	1706.37 3.06 -72.86	1709.43 3.06 -72.85	1712.49 3.07 -72.84	1715.56 3.08 -72.84	1718.64 3.09 -72.83	1721.73 3.10 -72.82	1724.83 3.11 -72.82	1727.94 3.12 -72.81
29..	1731.05 3.12 -72.80	1734.18 3.13 -72.80	1737.31 3.14 -72.79	1740.45 3.15 -72.78	1743.60 3.16 -72.78	1746.76 3.17 -72.77	1749.92 3.17 -72.76	1753.10 3.18 -72.76	1756.28 3.19 -72.75	1759.47 3.20 -72.75
30..	1762.67 3.21 -72.74	1765.88 3.22 -72.73	1769.10 3.22 -72.73	1772.32 3.23 -72.72	1775.55 3.24 -72.71	1778.79 3.25 -72.71	1782.04 3.26 -72.70	1785.30 3.27 -72.70	1788.57 3.28 -72.69	1791.84 3.28 -72.69
31..	1795.13 3.29 -72.68	1798.42 3.30 -72.67	1801.72 3.31 -72.67	1805.03 3.32 -72.66	1808.35 3.33 -72.66	1811.67 3.33 -72.65	1815.00 3.34 -72.65	1818.35 3.35 -72.64	1821.70 3.36 -72.64	1825.05 3.37 -72.63
32..	1828.42 3.38 -72.62	1831.80 3.38 -72.62	1835.18 3.39 -72.61	1838.57 3.40 -72.61	1841.97 3.41 -72.60	1845.38 3.42 -72.60	1848.80 3.43 -72.59	1852.22 3.43 -72.59	1855.65 3.44 -72.58	1859.10 3.45 -72.58
33..	1862.55 3.46 -72.57	1866.00 3.47 -72.57	1869.47 3.47 -72.56	1872.94 3.48 -72.56	1876.43 3.49 -72.55	1879.92 3.50 -72.55	1883.42 3.51 -72.54	1886.93 3.52 -72.54	1890.44 3.52 -72.54	1893.97 3.53 -72.53

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 19.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
34..	1897.50 3.54 -72.53	1901.04 3.55 -72.52	1904.59 3.56 -72.52	1908.14 3.57 -72.51	1911.71 3.57 -72.51	1915.28 3.58 -72.50	1918.87 3.59 -72.50	1922.46 3.60 -72.50	1926.05 3.61 -72.49	1929.66 3.61 -72.49
35..	1933.28 3.62 -72.48	1936.90 3.63 -72.48	1940.53 3.64 -72.47	1944.17 3.65 -72.47	1947.82 3.66 -72.47	1951.47 3.66 -72.46	1955.14 3.67 -72.46	1958.81 3.68 -72.45	1962.49 3.69 -72.45	1966.18 3.70 -72.45

TABLE 2 - $10^5\ \Delta_{s,t}$ FOR SALINITY 20.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
-1..	1154.83 0.11 -78.11	1154.97 0.13 -78.15	1155.09 0.14 -78.18	1155.24 0.16 -78.21	1155.40 0.18 -78.25	1155.58 0.19 -78.28	1155.77 0.21 -78.32	1155.98 0.22 -78.35	1156.20 0.24 -78.39	1156.44 0.26 -78.42
-0..	1154.46 -0.04 -77.78	1154.[illegible] -0.0[illegible] -77.81	1154.50 -0.01 -77.85	1154.49 0.01 -77.88	1154.50 0.02 -77.91	1154.52 0.04 -77.94	1154.55 0.05 -77.98	1154.60 0.07 -78.01	1154.67 0.08 -78.04	1154.75 0.10 -78.08
0..	1154.56 0.05 -77.78	1154.62 0.07 -77.75	1154.69 0.08 -77.72	1154.77 0.10 -77.68	1154.87 0.11 -77.65	1154.99 0.13 -77.62	1155.12 0.14 -77.59	1155.26 0.16 -77.56	1155.42 0.17 -77.52	1155.59 0.19 -77.49
1..	1155.78 0.[illegible] -77.46	1155.98 0.22 -77.43	1156.20 0.23 -77.40	1156.43 0.25 -77.37	1156.67 0.26 -77.34	1156.93 0.27 -77.31	1157.21 0.29 -77.28	1157.49 0.30 -77.25	1157.80 0.32 -77.22	1158.11 0.33 -77.19
2..	1158.44 0.34 -77.16	1158.79 0.36 -77.13	1159.14 0.37 -77.10	1159.52 0.39 -77.07	1159.90 0.40 -77.04	1160.30 0.41 -77.01	1160.72 0.43 -76.98	1161.14 0.44 -76.95	1161.58 0.45 -76.92	1162.04 0.47 -76.89
3..	1162.51 0.48 -76.86	1162.99 0.50 -76.84	1163.48 0.51 -76.81	1163.99 0.52 -76.78	1164.51 0.54 -76.75	1165.05 0.55 -76.72	1165.60 0.56 -76.69	1166.16 0.58 -76.67	1166.74 0.59 -76.64	1167.33 0.60 -76.61

TABLE 2 - 10^5 $\Delta s,t$ FOR SALINITY 20.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
4..	1167.93 0.62 -76.58	1168.54 0.63 -76.56	1169.17 0.64 -76.53	1169.81 0.65 -76.50	1170.47 0.67 -76.47	1171.13 0.68 -76.45	1171.81 0.69 -76.42	1172.[illegible]1 0.71 -76.39	1173.21 0.72 -76.37	1173.93 0.73 -76.34
5..	1174.66 0.74 -76.32	1175.41 0.76 -76.29	1176.16 0.77 -76.26	1176.93 0.78 -76.24	1177.71 0.79 -76.21	1178.51 0.81 -76.19	1179.32 0.82 -76.16	1180.14 0.83 -76.13	1180.97 0.84 -76.11	1181.81 0.86 -76.08
6..	1182.67 0.87 -76.06	1183.54 0.88 -76.03	1184.42 0.89 -76.01	1185.32 0.91 -75.98	1186.22 0.92 -75.96	1187.14 0.93 -75.94	1188.07 0.94 -75.91	1189.02 0.96 -75.89	1189.97 0.97 -75.86	1190.94 0.98 -75.84
7..	1191.92 0.99 -75.81	1192.91 1.00 -75.79	1193.91 1.02 -75.77	1194.93 1.03 -75.74	1195.95 1.04 -75.72	1196.99 1.05 -75.70	1198.04 1.06 -75.67	1199.11 1.07 -75.65	1200.18 1.09 -75.63	1201.27 1.10 -75.60
8..	1202.37 1.11 -75.58	1203.48 1.12 -75.56	1204.60 1.13 -75.53	1205.73 1.14 -75.51	1206.88 1.16 -75.49	1208.03 1.17 -75.47	1209.20 1.18 -75.44	1210.38 1.19 -74.42	1211.57 1.20 -75.40	1212.77 1.21 -75.38
9..	1213.99 1.23 -75.36	1215.21 1.24 -75.34	1216.45 1.25 -75.31	1217.70 1.26 -75.29	1218.96 1.27 -75.27	1220.23 1.28 -75.25	1221.51 1.29 -75.23	1222.80 1.30 -75.21	1224.11 1.32 -75.19	1225.42 1.33 -75.16

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 20.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
10..	1226.75 1.34 -75.14	1228.09 1.35 -75.12	1229.43 1.36 -75.10	1230.79 1.37 -75.08	1232.17 1.38 -75.06	1233.55 1.39 -75.04	1234.94 1.40 -75.02	1236.34 1.42 -75.00	1237.76 1.43 -74.98	1239.19 1.44 -74.96
11..	1240.62 1.45 -74.94	1242.07 1.46 -74.92	1243.53 1.47 -74.90	1245.00 1.48 -74.88	1246.48 1.49 -74.86	1247.97 1.50 -74.84	1249.47 1.51 -74.83	1250.98 1.52 -74.81	1252.51 1.53 -74.79	1254.04 1.54 -74.77
12..	1255.58 1.56 -74.75	1257.14 1.57 -74.73	1258.70 1.58 -74.71	1260.28 1.59 -74.69	1261.87 1.60 -74.67	1263.46 1.61 -74.66	1265.07 1.62 -74.64	1266.69 1.63 -74.62	1268.32 1.64 -74.60	1269.96 1.65 -74.58
13..	1271.61 1.66 -74.57	1273.27 1.67 -74.55	1274.94 1.68 -74.53	1276.62 1.69 -74.51	1278.31 1.70 -74.50	1280.01 1.71 -74.48	1281.72 1.72 -74.46	1283.45 1.73 -74.44	1285.18 1.74 -74.43	1286.92 1.75 -74.41
14..	1288.67 1.76 -74.39	1290.44 1.77 -74.38	1292.21 1.78 -74.36	1293.99 1.79 -74.34	1295.79 1.80 -74.32	1297.59 1.81 -74.31	1299.40 1.82 -74.29	1301.23 1.83 -74.28	1303.06 1.84 -74.26	1304.90 1.85 -74.24
15..	1306.76 1.86 -74.23	1308.62 1.87 -74.21	1310.50 1.88 -74.20	1312.38 1.89 -74.18	1314.27 1.90 -74.16	1316.18 1.91 -74.15	1318.09 1.92 -74.13	1320.01 1.93 -74.12	1321.95 1.94 -74.10	1323.89 1.95 -74.09

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 20.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
16..	1325.84 1.96 -74.07	1327.81 1.97 -74.06	1329.78 1.98 -74.04	1331.76 1.99 -74.03	1333.75 2.00 -74.01	1335.76 2.01 -74.00	1337.77 2.02 -73.93	1339.79 2.03 -73.97	1341.82 2.04 -73.95	1343.86 2.05 -73.94
17..	1345.91 2.06 -73.92	1347.97 2.07 -73.91	1350.04 2.08 -73.90	1352.12 2.09 -73.88	1354.21 2.10 -73.87	1356.31 2.11 -73.85	1358.41 2.12 -75.84	1360.53 2.13 -73.83	1362.66 2.14 -73.81	1364.80 2.15 -73.80
18..	1366.94 2.16 -73.78	1369.10 2.17 -73.77	1371.26 2.17 -73.76	1373.44 2.18 -73.74	1375.62 2.19 -73.73	1377.81 2.20 -73.72	1380.02 2.21 -72.70	1382.23 2.22 -73.69	1384.45 2.23 -73.68	1386.68 2.24 -73.67
19..	1388.92 2.25 -73.65	1391.17 2.26 -73.64	1393.43 2.27 -73.63	1395.70 2.28 -73.62	1397.98 2.29 -73.60	1400.26 2.30 -73.59	1402.56 2.31 -73.58	1404.87 2.31 -73.57	1407.18 2.32 -73.55	1409.50 2.33 -73.54
20..	1411.84 2.34 -73.53	1414.18 2.35 -73.52	1416.53 2.36 -73.51	1418.89 2.37 -73.49	1421.26 2.38 -73.48	1423.64 2.39 -73.47	1426.03 2.40 -73.46	1428.43 2.41 -73.45	1430.83 2.42 -73.44	1433.25 2.42 -73.42
21..	1435.67 2.43 -73.41	1438.11 2.44 -73.40	1440.55 2.45 -73.39	1443.00 2.46 -73.38	1445.46 2.47 -73.37	1447.93 2.48 -73.36	1450.41 2.49 -73.35	1452.90 2.50 -73.34	1455.40 2.51 -73.32	1457.91 2.52 -73.31

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 20.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22...	1460.42 2.52 -73.30	1462.94 2.53 -73.29	1465.48 2.54 -73.28	1468.02 2.55 -73.27	1470.57 2.56 -73.26	1473.13 2.57 -73.25	1475.70 2.58 -73.24	1478.28 2.59 -73.23	1480.86 2.60 -73.22	1483.46 2.60 -73.21
23...	1486.06 2.61 -73.20	1488.68 2.62 -73.19	1491.30 2.63 -73.18	1493.93 2.64 -73.17	1496.57 2.65 -73.16	1499.22 2.66 -73.15	1501.88 2.67 -73.14	1504.54 2.68 -73.13	1507.22 2.68 -73.12	1509.90 2.69 -73.11
24...	1512.60 2.70 -73.10	1515.30 2.71 -73.10	1518.01 2.72 -73.09	1520.73 2.73 -73.08	1523.45 2.74 -73.07	1526.19 2.75 -73.06	1528.94 2.75 -73.05	1531.69 2.76 -73.04	1534.45 2.77 -73.03	1537.22 2.78 -73.02
25...	1540.00 2.79 -73.01	1542.79 2.80 -73.01	1545.59 2.81 -73.00	1548.40 2.81 -72.99	1551.21 2.82 -72.98	1554.03 2.83 -72.97	1556.87 2.84 -72.96	1559.71 2.85 -72.96	1562.56 2.86 -72.95	1565.41 2.87 -72.94
26...	1568.28 2.88 -72.93	1571.16 2.88 -72.92	1574.04 2.89 -72.92	1576.93 2.90 -72.91	1579.83 2.91 -72.90	1582.74 2.92 -72.89	1585.66 2.93 -72.88	1588.59 2.94 -72.88	1591.52 2.94 -72.87	1594.47 2.95 -72.86
27...	1597.42 2.96 -72.85	1600.38 2.97 -72.85	1603.35 2.98 -72.84	1606.33 2.99 -72.83	1609.31 3.00 -72.82	1612.31 3.00 -72.82	1615.31 3.01 -72.81	1618.32 3.02 -72.80	1621.35 3.03 -72.79	1624.37 3.04 -72.79

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 20.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
28..	1627.41 3.05 -72.78	1630.46 3.05 -72.77	1633.51 3.06 -72.77	1636.57 3.07 -72.76	1639.65 3.08 -72.75	1642.73 3.09 -72.75	1645.81 3.10 -72.74	1648.91 3.10 -72.73	1652.02 3.11 -72.73	1655.13 3.12 -72.72
29..	1658.25 3.13 -72.71	1661.38 3.14 -72.71	1664.52 3.15 -72.70	1667.67 3.16 -72.69	1670.82 3.16 -72.69	1673.99 3.17 -72.68	1677.16 3.18 -72.68	1680.34 3.19 -72.67	1683.53 3.20 -72.66	1686.73 3.21 -72.66
30..	1689.93 3.21 -72.65	1693.15 3.22 -72.65	1696.37 3.23 -72.64	1699.60 3.24 -72.63	1702.84 3.25 -72.63	1706.09 3.26 -72.62	1709.34 3.26 -72.62	1712.61 3.27 -72.61	1715.88 3.28 -72.61	1719.16 3.29 -72.60
31..	1722.45 3.30 -72.59	1725.75 3.31 -72.59	1729.05 3.31 -72.58	1732.37 3.3[illegible] -72.58	1735.69 3.33 -72.57	1739.02 3.34 -72.57	1742.36 3.35 -72.56	1745.70 3.36 -72.56	1749.06 3.36 -72.55	1752.42 3.37 -72.55
32..	1755.80 3.38 -72.54	1759.18 3.39 -72.54	1762.57 3.40 -72.53	1765.96 3.41 -72.53	1769.37 3.41 -72.52	1772.78 3.42 -72.52	1776.20 3.43 -72.51	1779.63 3.44 -72.51	1783.07 3.45 -72.50	1786.52 3.45 -72.50
33..	1789.97 3.46 -72.49	1793.44 3.47 -72.49	1796.91 3.48 -72.48	1800.39 3.49 -72.48	1803.87 3.50 -72.47	1807.37 3.50 -72.47	1810.87 3.51 -72.46	1814.39 3.52 -72.46	1917.91 3.53 -72.46	1821.44 3.54 -72.45

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 20.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
34..	1824.97 3.55 -72.45	1828.52 3.55 -72.44	1832.07 3.56 -72.44	1835.63 3.57 -72.43	1839.20 3.58 -72.43	1842.78 3.59 -72.43	1846.37 3.59 -72.42	1849.96 3.60 -72.42	1853.56 3.61 -72.41	1857.17 3.62 -72.41
35..	1860.79 3.63 -72.41	1864.42 3.64 -72.40	1868.06 3.64 -72.40	1871.70 3.65 -72.39	1875.35 3.66 -72.39	1879.01 3.67 -72.39	1882.68 3.68 -72.38	1886.36 3.68 -72.38	1890.04 3.69 -72.38	1893.73 3.70 -72.37

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 21.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
−1	1076.7 0.1 −78.0	1076.8 0.1 −78.0	1076.9 0.1 −78.1	1077.0 0.1 −78.1	1077.1 0.2 −78.1	1077.3 0.1 −78.2	1077.4 0.2 −78.2	1077.6 0.2 −78.2	1077.8 0.2 −78.3	1078.0 0.2 −78.3
−0	1076.8 −0.1 −77.7	1076.7 −0.1 −77.7	1076.6 0.0 −77.7	1076.6 0.0 −77.8	1076.6 0.0 −77.9	1076.6 0.0 −77.9	1076.6 0.0 −77.9	1076.6 0.0 −77.9	1076.6 0.0 −77.9	1076.6 0.1 −77.9
+0	1076.8 0.0 −77.7	1076.8 0.1 −77.6	1076.9 0.2 −77.6	1077.1 0.1 −77.6	1077.2 0.2 −77.5	1077.4 0.1 −77.5	1077.5 0.2 −77.4	1077.7 0.2 −77.4	1077.9 0.2 −77.4	1078.1 0.2 −77.4
1	1078.3 0.2 −77.3	1078.5 0.3 −77.3	1078.8 0.2 −77.3	1079.0 0.3 −77.2	1079.3 0.3 −77.2	1079.6 0.3 −77.2	1079.9 0.3 −77.2	1080.2 0.4 −77.1	1080.6 0.3 −77.1	1080.9 0.3 −77.0
2	1081.2 0.4 −77.0	1081.6 0.4 −77.0	1082.0 0.4 −77.0	1082.4 0.4 −76.9	1082.8 0.5 −76.9	1083.3 0.5 −76.9	1083.8 0.4 −76.9	1084.2 0.5 −76.9	1084.7 0.4 −76.9	1085.1 0.5 −76.8
3	1885.6 0.5 −76.7	1086.1 0.6 −76.7	1086.7 0.5 −76.7	1087.2 0.5 −76.7	1087.7 0.6 −76.6	1088.3 0.6 −76.6	1088.9 0.6 −76.6	1089.5 0.6 −76.6	1090.1 0.6 −76.5	1090.7 0.6 −76.5
4	1091.3 0.7 −76.5	1092.0 0.6 −76.5	1092.6 0.7 −76.4	1093.3 0.7 −76.4	1094.0 0.7 −76.4	1094.7 0.7 −76.4	1095.4 0.7 −76.3	1096.1 0.7 −76.3	1096.8 0.8 −76.3	1097.6 0.7 −76.3
5	1098.3 0.8 −76.2	1099.1 0.8 −76.2	1099.9 0.8 −76.2	1100.7 0.8 −76.2	1101.5 0.8 −76.1	1102.3 0.8 −76.1	1103.1 0.9 −76.0	1104.0 0.8 −76.0	1104.8 0.9 −76.0	1105.7 0.9 −76.0

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 21.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
6	1106.6 0.9 −76.0	1107.5 0.9 −75.9	1108.4 0.9 −75.9	1109.3 1.0 −75.9	1110.3 0.9 −75.9	1111.2 0.9 −75.9	1112.1 1.0 −75.8	1113.1 1.0 −75.8	1114.1 1.0 −75.8	1115.1 1.0 −75.8
7	1116.1 1.0 −75.8	1117.1 1.0 −75.7	1118.1 1.1 −75.7	1119.2 1.0 −75.7	1120.2 1.1 −75.6	1121.3 1.0 −75.6	1122.3 1.1 −75.5	1123.4 1.1 −75.5	1124.5 1.2 −75.5	1125.7 1.1 −75.5
8	1126.8 1.1 −75.5	1127.9 1.1 −75.5	1129.0 1.2 −75.4	1130.2 1.1 −75.4	1131.3 1.2 −75.3	1132.5 1.2 −75.3	1133.7 1.2 −75.3	1134.9 1.3 −75.3	1136.2 1.2 −75.3	1137.4 1.2 −75.3
9	1138.6 1.3 −75.3	1139.9 1.2 −75.3	1141.1 1.3 −75.2	1142.4 1.3 −75.2	1143.7 1.3 −75.2	1145.0 1.3 −75.2	1146.3 1.3 −75.2	1147.6 1.3 −75.2	1148.9 1.3 −75.1	1150.2 1.4 −75.1
10	1151.6 1.3 −75.1	1152.9 1.4 −75.0	1154.3 1.4 −75.0	1155.7 1.4 −75.0	1157.1 1.4 −75.0	1158.5 1.4 −75.0	1159.9 1.4 −74.9	1161.3 1.4 −74.9	1162.7 1.5 −74.9	1164.2 1.5 −74.9
11	1165.7 1.4 −74.9	1167.1 1.5 −74.8	1168.6 1.5 −74.8	1170.1 1.5 −74.8	1171.6 1.5 −74.8	1173.1 1.5 −74.8	1174.6 1.5 −74.7	1176.1 1.6 −74.7	1177.7 1.5 −74.7	1179.2 1.5 −74.7
12	1180.7 1.6 −74.6	1182.3 1.7 −74.6	1184.0 1.6 −74.6	1185.6 1.6 −74.6	1187.2 1.6 −74.6	1188.8 1.6 −74.6	1190.4 1.7 −74.6	1192.1 1.6 −74.6	1193.7 1.7 −74.5	1195.4 1.7 −74.5
13	1197.1 1.6 −74.5	1198.7 1.7 −74.5	1200.4 1.7 −74.5	1202.1 1.7 −74.4	1203.8 1.7 −74.4	1205.5 1.7 −74.4	1207.2 1.8 −74.4	1209.0 1.7 −74.4	1210.7 1.8 −74.3	1212.5 1.8 −74.3

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 21.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
14....	1214.3 1.7 −74.3	1216.0 1.8 −74.2	1217.8 1.8 −74.2	1219.6 1.8 −74.2	1221.4 1.9 −74.2	1223.3 1.8 −74.2	1225.1 1.8 −74.2	1226.9 1.9 −74.2	1228.8 1.8 −74.2	1230.6 1.9 −74.1
15....	1232.5 1.9 −74.1	1234.4 1.9 −74.1	1236.3 1.9 −74.1	1238.2 1.9 −74.1	1240.1 1.9 −74.1	1242.0 1.9 −74.1	1243.9 2.0 −74.0	1245.9 1.9 −74.0	1247.8 2.0 −74.0	1249.8 1.9 −74.0
16....	1251.7 2.0 −73.9	1253.7 2.0 −73.9	1255.7 2.0 −73.9	1257.7 2.0 −73.9	1259.7 2.0 −73.9	1261.7 2.1 −73.9	1263.8 2.0 −73.9	1265.8 2.1 −73.9	1267.9 2.0 −73.9	1269.9 2.1 −73.9
17....	1272.0 2.0 −73.9	1274.0 2.1 −73.8	1276.1 2.1 −73.8	1278.2 2.1 −73.8	1280.3 2.1 −73.8	1282.4 2.1 −73.7	1284.5 2.1 −73.7	1286.6 2.2 −73.7	1288.8 2.2 −73.7	1291.0 2.1 −73.7
18....	1293.1 2.2 −73.7	1295.3 2.2 −73.7	1297.5 2.2 −73.7	1299.7 2.2 −73.7	1301.9 2.2 −73.7	1304.1 2.2 −73.7	1306.3 2.2 −73.6	1308.5 2.2 −73.6	1310.7 2.3 −73.6	1313.0 2.2 −73.6
19....	1315.2 2.3 −73.6	1317.5 2.3 −73.6	1319.8 2.3 −73.6	1322.1 2.3 −73.6	1324 4 2.3 −73.6	1326.7 2.3 −73.6	1329.0 2.3 −73.5	1331.3 2.3 −73.5	1333.6 2.4 −73.5	1336.0 2.3 −73.5
20....	1338.3 2.3 −73.5	1340.6 2.4 −73.4	1343.0 2.4 −73.4	1345.4 2.3 −73.4	1347.7 2.4 −73.3	1350.1 2.4 −73.3	1352.5 2.4 −73.3	1354.9 2.4 −73.3	1357.3 2.4 −73.3	1359.7 2.5 −73.3
21....	1362.2 2.5 −73.3	1364.7 2.5 −73.3	1367.2 2.4 −73.3	1369.6 2.5 −73.3	1372.1 2.5 −73.3	1374.6 2.5 −73.3	1377.1 2.4 −73.3	1379.5 2.5 −73.2	1382.0 2.5 −73.2	1384.5 2.5 −73.2

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 21.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22....	1387.0 2.6 −73.2	1389.6 2.6 −73.2	1392.2 2.5 −73.2	1394.7 2.6 −73.2	1397.3 2.6 −73.2	1399.9 2.6 −73.2	1402.5 2.5 −73.2	1405.0 2.6 −73.1	1407.6 2.6 −73.1	1410.2 2.7 −73.1
23....	1412.9 2.6 −73.1	1415.5 2.6 −73.1	1418.1 2.7 −73.1	1420.8 2.6 −73.1	1423.4 2.6 −73.1	1426.0 2.7 −73.1	1428.7 2.7 −73.1	1431.4 2.7 −73.1	1434.1 2.7 −73.1	1436.8 2.7 −73.1
24....	1439.5 2.7 −73.0	1442.2 2.7 −73.0	1444.9 2.8 −73.0	1447.7 2.7 −73.0	1450.4 2.8 −73.0	1453.2 2.7 −73.0	1455.9 2.7 −73.0	1458.6 2.8 −73.0	1461.4 2.8 −73.0	1464.2 2.8 −73.0
25....	1467.0 2.8 −73.0	1469.8 2.8 −73.0	1472.6 2.8 −72.9	1475.4 2.8 −72.9	1478.2 2.8 −72.9	1481.0 2.9 −72.9	1483.9 2.8 −72.9	1486.7 2.9 −72.9	1489.6 2.9 −72.9	1492.5 2.8 −72.9
26....	1495.3 2.9 −72.9	1498.2 2.9 −72.9	1501.1 2.9 −72.9	1504.0 2.9 −72.8	1506.9 2.9 −72.8	1509.8 3.0 −72.8	1512.8 2.9 −72.8	1515.7 2.9 −72.8	1518.6 3.0 −72.8	1521.6 3.0 −72.8
27....	1524.6 2.9 −72.8	1527.5 3.0 −72.8	1530.5 3.0 −72.8	1533.5 3.0 −72.8	1536.5 3.0 −72.8	1539.5 3.0 −72.8	1542.5 3.0 −72.8	1545.5 3.0 −72.8	1548.5 3.1 −72.7	1551.6 3.0 −72.7
28....	1554.6 3.1 −72.7	1557.7 3.1 −72.7	1560.8 3.0 −72.7	1563.8 3.1 −72.7	1566.9 3.1 −72.7	1570.0 3.1 −72.7	1573.1 3.1 −72.7	1576.2 3.1 −72.7	1579.3 3.2 −72.7	1582.5 3.1 −72.7
29....	1585.6 3.1 −72.7	1588.7 3.2 −72.7	1591.9 3.2 −72.7	1595.1 3.2 −72.7	1598.3 3.1 −72.7	1601.4 3.2 −72.7	1604.6 3.1 −72.7	1607.7 3.2 −72.7	1610.9 3.2 −72.7	1614.1 3.2 −72.6

TABLE 2 - 10^5 αt FOR SALINITY 21.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
30--	1617.28 3.22 -72.57	1620.50 3.23 -72.56	1623.73 3.24 -72.56	1626.97 3.25 -72.55	1630.21 3.25 -72.54	1633.46 3.26 -72.54	1636.73 3.27 -72.53	1640.00 3.28 -72.53	1643.27 3.29 -72.52	1646.56 3.29 -72.52
31--	1649.85 3.30 -72.51	1653.16 3.31 -72.51	1656.47 3.32 -72.50	1659.79 3.33 -72.50	1663.12 3.34 -72.49	1666.46 3.34 -72.49	1669.80 3.35 -72.48	1673.15 3.36 -72.48	1676.51 3.37 -72.47	1679.88 3.38 -72.47
32--	1683.26 3.39 -72.46	1686.64 3.39 -72.46	1690.03 3.40 -72.45	1693.44 3.41 -72.45	1696.85 3.42 -72.44	1700.27 3.43 -72.44	1703.69 3.44 -72.43	1707.13 3.44 -72.43	1710.57 3.45 -72.42	1714.02 3.46 -72.42
33--	1717.48 3.47 -72.41	1720.95 3.48 -72.41	1724.43 3.48 -72.41	1727.91 3.49 -72.40	1731.40 3.50 -72.40	1734.90 3.51 -72.39	1738.41 3.52 -72.39	1741.93 3.52 -72.38	1745.45 3.53 -72.38	1748.98 3.54 -72.38
34--	1752.52 3.55 -72.37	1756.07 3.56 -72.37	1759.63 3.57 -72.36	1763.20 3.57 -72.36	1766.77 3.58 -72.36	1770.35 3.59 -72.35	1773.94 3.60 -72.35	1777.54 3.61 -72.35	1781.15 3.61 -72.34	1784.76 3.62 -72.34
35--	1788.39 3.63 -72.33	1792.02 3.64 -72.33	1795.66 3.65 -72.33	1799.30 3.66 -72.32	1802.96 3.66 -72.32	1806.62 3.67 -72.32	1810.30 3.68 -72.31	1813.98 3.69 -72.31	1917.66 3.70 -72.31	1821.36 3.70 -72.30

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 22.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
−1...	998.7 0.1 −77.8	998.8 0.0 −77.[illegible]	998.8 0.1 −77.9	998.9 0.1 −77.9	999.0 0.1 −78.0	999.1 0.1 −78.0	999.2 0.2 −78.0	999.4 0.1 −78.1	999.5 0.2 −78.1	999.7 0.2 −78.1
−0...	999.1 −0.1 −77.5	999.0 −0.1 −77.5	998.9 −0.1 −77.6	998.8 −0.1 −77.6	998.7 0.0 −77.6	998.7 0.0 −77.6	998.7 0.0 −77.7	998.7 0.0 −77.8	998.7 0.0 −77.8	998.7 0.0 −77.8
+0...	999.1 0.1 −77.5	999.2 0.1 −77.4	999.3 0.2 −77.4	999.5 0.2 −77.4	999.7 0.2 −77.4	999.9 0.2 −77.4	1000.1 0.2 −77.6	1000.3 0.2 −77.4	1000.5 0.2 −77.3	1000.7 0.3 −77.2
1....	1001.0 0.2 −77.2	1001.2 0.3 −77.2	1001.5 0.3 −77.2	1001.8 0.3 −77.1	1002.1 0.3 −77.1	1002.4 0.3 −77.1	1002.7 0.4 −77.0	1003.1 0.4 −77.0	1003.5 0.4 −77.0	1003.9 0.3 −77.0
2....	1004.2 0.4 −76.9	1004.6 0.4 −76.8	1005.0 0.5 −76.8	1005.5 0.4 −76.8	1005.9 0.5 −76.7	1006.4 0.5 −76.7	1006.9 0.4 −76.7	1007.3 0.5 −76.6	1007.8 0.5 −76.6	1008.3 0.6 −76.6
3....	1008.9 0.5 −76.6	1009.4 0.6 −76.6	1010.0 0.5 −76.6	1010.5 0.6 −76.5	1011.1 0.6 −76.5	1011.7 0.6 −76.5	1012.3 0.6 −76.5	1012.9 0.7 −76.4	1013.6 0.6 −76.4	1014.2 0.6 −76.4
4....	1014.8 0.7 −76.3	1015.5 0.7 −76.3	1016.2 0.7 −76.3	1016.9 0.7 −76.3	1017.6 0.7 −76.2	1018.3 0.8 −76.2	1019.1 0.7 −76.2	1019.8 0.7 −76.1	1020.5 0.8 −76.1	1021.3 0.8 −76.1
5....	1022.1 0.8 −76.1	1022.9 0.8 −76.0	1023.7 0.8 −76.0	1024.5 0.9 −75.9	1025.4 0.8 −75.9	1026.2 0.9 −75.9	1027.1 0.9 −75.9	1028.0 0.5 −75.9	1028.8 0.9 −75.8	1029.7 0.9 −75.8

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 22.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
6....	1030.6 1.0 −75.8	1031.6 0.9 −75.8	1032.5 0.9 −75.8	1033.4 1.0 −75.7	1034.4 0.9 −75.7	1035.3 1.0 −75.6	1036.3 1.0 −75.6	1037.3 1.0 −75.6	1038.3 1.0 −75.6	1039.3 1.0 −75.5
7....	1040.3 1.1 −75.5	1041.4 1.0 −75.5	1042.4 1.1 −75.5	1043.5 1.1 −75.5	1044.6 1.1 −75.5	1045.7 1.1 −75.5	1046.8 1.1 −75.5	1047.9 1.1 −75.4	1049.0 1.2 −75.4	1050.2 1.1 −75.4
8....	1051.3 1.1 −75.3	1052.4 1.2 −75.3	1053.6 1.2 −75.3	1054.8 1.2 −75.3	1056.0 1.2 −75.3	1057.2 1.2 −75.3	1058.4 1.2 −75.2	1059.6 1.3 −75.2	1060.9 1.2 −75.2	1062.1 1.2 −75.1
9....	1063.3 1.3 −75.1	1064.6 1.3 −75.1	1065.9 1.3 −75.1	1067.2 1.3 −75.0	1068.5 1.3 −75.0	1069.8 1.3 −75.0	1071.1 1.3 −75.0	1072.4 1.4 −74.9	1073.8 1.3 −74.9	1075.1 1.4 −74.9
10....	1076.5 1.4 −74.9	1077.9 1.4 −74.9	1079.3 1.4 −74.8	1080.7 1.4 −74.8	1082.1 1.4 −74.8	1083.5 1.5 −74.8	1085.0 1.4 −74.8	1086.4 1.4 −74.7	1087.8 1.5 −74.7	1089.3 1.5 −74.7
11....	1090.8 1.5 −74.7	1092.3 1.5 −74.7	1093.8 1.5 −74.7	1095.3 1.5 −74.6	1096.8 1.5 −74.6	1098.3 1.6 −74.6	1099.9 1.5 −74.6	1101.4 1.6 −74.6	1103.0 1.5 −74.6	1104.5 1.6 −74.5
12....	1106.1 1.6 −74.5	1107.7 1.7 −74.5	1109.4 1.6 −74.5	1111.0 1.6 −74.5	1112.6 1.6 −74.4	1114.2 1.6 −74.4	1115.8 1.7 −74.4	1117.5 1.7 −74.4	1119.2 1.7 −74.4	1120.9 1.7 −74.4
13....	1122.6 1.6 −74.4	1124.2 1.7 −74.3	1125.9 1.8 −74.3	1127.7 1.7 −74.3	1129.4 1.7 −74.3	1131.1 1.7 −74.2	1132.8 1.8 −74.2	1134.6 1.8 −74.2	1136.4 1.8 −74.2	1138.2 1.8 −74.2

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 22.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
14	1140.0 1.8 −74.2	1141.8 1.8 −74.2	1143.6 1.8 −74.2	1145.4 1.8 −74.1	1147.2 1.9 −74.1	1149.1 1.8 −74.1	1150.9 1.8 −74.1	1152.7 1.9 −74.0	1154.6 1.9 −74.0	1156.5 1.9 −74.0
15	1158.4 1.9 −74.0	1160.3 1.9 −74.0	1162.2 1.9 −74.0	1164.1 1.9 −74.0	1166.0 1.9 −73.9	1167.9 2.0 −73.9	1169.9 2.0 −73.9	1171.9 1.9 −73.9	1173.8 2.0 −73.9	1175.8 2.0 −73.9
16	1177.8 2.0 −73.9	1179.8 2.0 −73.9	1181.8 2.0 −73.9	1183.8 2.0 −73.8	1185.8 2.0 −73.8	1187.8 2.1 −73.8	1189.9 2.0 −73.8	1191.9 2.1 −73.7	1194.0 2.0 −73.7	1196.0 2.1 −73.7
17	1198.1 2.1 −73.7	1200.2 2.1 −73.7	1202.3 2.1 −73.7	1204.4 2.1 −73.6	1206.5 2.2 −73.6	1208.7 2.1 −73.6	1210.8 2.1 −73.6	1213.9 2.2 −73.6	1215.1 2.2 −73.6	1217.3 2.1 −73.6
18	1219.4 2.2 −73.5	1221.6 2.2 −73.5	1223.8 2.2 −73.5	1226.0 2.2 −73.5	1228.2 2.2 −73.5	1230.4 2.3 −73.5	1232.7 2.2 −73.5	1234.9 2.2 −73.5	1237.1 2.3 −73.4	1239.4 2.2 −73.4
19	1241.6 2.3 −73.4	1243.9 2.3 −73.4	1246.2 2.3 −73.4	1248.5 2.3 −73.4	1250.8 2.3 −73.4	1253.1 2.4 −73.4	1255.5 2.3 −73.4	1257.8 2.3 −73.3	1260.1 2.4 −73.3	1262.5 2.3 −73.3
20	1264.8 2.4 −73.3	1267.2 2.4 −73.3	1269.6 2.4 −73.3	1272.0 2.4 −73.3	1274.4 2.4 −73.3	1276.8 2.4 −73.3	1279.2 2.4 −73.3	1281.6 2.4 −73.3	1284.0 2.4 −73.3	1286.4 2.5 −73.2
21	1288.9 2.5 −73.2	1291.4 2.5 [illegible]	1293.9 2.4 −73.2	1296.3 2.5 −73.2	1298.8 2.5 −73.2	1301.3 2.5 −73.2	1303.8 2.5 −73.2	1306.3 2.5 −73.1	1308.8 2.5 −73.1	1311.3 2.5 −73.1

Table 2 —$10^5\Delta_{s,t}$ FOR SALINITY 22.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22----	1313.8 2.6 −73.1	1316.4 2.6 −73.1	1319.0 2.5 −73.1	1321.5 2.6 −73.1	1324.1 2.6 −73.1	1326.7 2.6 −73.1	1329.3 2.6 −73.1	1331.9 2.6 −73.1	1334.5 2.6 −73.0	1377.1 2.7 −73.0
23----	1339.8 2.6 −73.0	1342.4 2.6 −73.0	1345.0 2.7 −73.0	1347.7 2.6 −73.0	1350.3 2.6 −73.0	1353.9 2.7 −72.9	1355.6 2.7 −72.9	1358.3 2.7 −72.9	1361.0 2.7 −72.9	1363.7 2.8 −72.9
24----	1366.5 2.7 −72.9	1369.2 2.7 −72.9	1371.9 2.8 −72.9	1374.7 2.7 −72.9	1377.4 2.8 −72.9	1380.2 2.7 −72.9	1382.9 2.7 −72.8	1385.6 2.8 −72.8	1388.4 2.8 −72.8	1391.2 2.8 −72.8
25----	1394.0 2.8 −72.8	1396.8 2.9 −72.8	1399.7 2.8 −72.8	1402.5 2.8 −72.8	1405.3 2.8 −72.8	1408.1 2.9 −72.8	1411.0 2.8 −72.8	1413.8 2.9 −72.7	1416.7 2.9 −72.7	1419.6 2.8 −72.7
26----	1422.4 2.9 −72.7	1425.3 2.9 −72.7	1428.2 3.0 −72.7	1431.2 2.9 −72.7	1434.1 2.9 −72.7	1437.0 3.0 −72.7	1440.0 2.9 −72.7	1442.9 2.9 −72.7	1445.8 3.0 −72.7	1448.8 3.0 −72.7
27----	1451.8 2.9 −72.7	1454.7 3.0 −72.6	1457.7 3.0 −72.6	1460.7 3.0 −72.6	1463.7 3.0 −72.6	1466.7 3.0 −72.6	1469.7 3.0 −72.6	1472.7 3.1 −72.6	1475.8 3.1 −72.6	1478.9 3.0 −72.6
28----	1481.9 3.1 −72.6	1485.0 3.1 −72.6	1488.1 3.0 −72.6	1491.1 3.1 −72.6	1494.2 3.1 −72.6	1497.3 3.1 −72.6	1500.4 3.1 −72.6	1503.5 3.1 −72.6	1506.6 3.2 −72.5	1509.8 3.1 −72.5
29----	1512.9 3.1 −72.5	1516.0 3.2 −72.5	1519.2 3.2 −72.5	1522.4 3.2 −72.5	1525.6 3.1 −72.5	1528.7 3.2 −72.5	1531.9 3.1 −72.5	1535.0 3.2 −72.5	1538.2 3.3 −72.5	1541.5 3.2 −72.5

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 22.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
30--	1544.71 3.23 -72.49	1547.94 3.23 -72.48	1551.17 3.24 -72.48	1554.42 3.25 -72.47	1557.67 3.26 -72.46	1560.92 3.27 -72.46	1564.19 3.28 -72.45	1567.47 3.28 -72.45	1570.75 3.29 -72.44	1574.04 3.30 -72.44
31--	1577.34 3.31 -72.43	1580.65 3.32 -72.43	1583.97 3.32 -72.42	1587.29 3.33 -72.42	1590.63 3.34 -72.41	1593.97 3.35 -72.41	1597.32 3.36 -72.40	1600.67 3.37 -72.40	1604.04 3.37 -72.39	1607.41 3.38 -72.39
32--	1610.75 3.39 -72.38	1614.18 3.40 -72.38	1617.58 3.41 -72.38	1620.99 3.41 -72.37	1624.40 3.42 -72.37	1627.83 3.43 -72.36	1631.26 3.44 -72.36	1634.70 3.45 -72.35	1638.15 3.46 -72.35	1641.60 3.46 -72.34
33--	1645.07 3.47 -72.34	1648.54 3.48 -72.34	1652.02 3.49 -72.33	1655.51 3.50 -72.33	1659.00 3.50 -72.32	1662.51 3.51 -72.32	1666.02 3.52 -72.32	1669.54 3.53 -72.31	1673.07 3.54 -72.31	1676.61 3.55 -72.30
34--	1680.15 3.55 -72.30	1683.71 3.56 -72.30	1687.27 3.57 -72.29	1690.84 3.58 -72.29	1694.42 3.59 -72.29	1698.00 3.59 -72.28	1701.60 3.60 -72.28	1705.20 3.61 -72.28	1708.81 3.62 -72.27	1712.43 3.63 -72.27
35--	1716.05 3.63 -72.27	1719.69 3.64 -72.26	1723.33 3.65 -72.26	1726.98 3.66 -72.26	1730.64 3.67 -72.25	1734.31 3.68 -72.25	1737.98 3.68 -72.25	1741.67 3.69 -72.24	1745.36 3.70 -72.24	1749.06 3.71 -72.24

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 23.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
−1	920.9 0.0 −77.7	920.9 0.0 −77.7	920.9 0.1 −77.7	921.0 0.0 −77.8	921.0 0.1 −77.8	921.1 0.1 −77.9	921.2 0.1 −77.9	921.3 0.1 −77.9	921.4 0.2 −77.9	921.6 0.1 −78.0
−0	921.6 −0.1 −77.4	921.5 −0.2 −77.4	921.3 −0.1 −77.4	921.2 −0.1 −77.4	921.1 0.0 −77.5	921.1 −0.1 −77.6	921.0 −0.1 −77.6	920.9 0.0 −77.6	920.9 0.0 −77.6	920.9 0.0 −77.7
+0	921.6 0.2 −77.4	921.8 0.1 −77.4	921.9 0.2 −77.3	922.1 0.2 −77.3	922.3 0.2 −77.3	922.5 0.2 −77.2	922.7 0.2 −77.2	922.9 0.3 −77.1	923.2 0.3 −77.1	923.5 0.3 −77.1
1	923.8 0.2 −77.1	924.0 0.3 −77.0	924.3 0.4 −77.0	924.7 0.3 −77.0	925.0 0.3 −76.9	925.3 0.4 −76.9	925.7 0.4 −76.9	926.1 0.4 −76.8	926.5 0.4 −76.8	926.9 0.4 −76.8
2	927.3 0.5 −76.7	927.8 0.4 −76.7	928.2 0.5 −76.7	928.7 0.5 −76.7	929.2 0.5 −76.7	929.7 0.5 −76.7	930.2 0.5 −76.7	930.7 0.5 −76.6	931.2 0.5 −76.6	931.7 0.6 −76.5
3	932.3 0.5 −76.5	932.8 0.6 −76.4	933.4 0.6 −76.4	934.0 0.6 −76.4	934.6 0.6 −76.4	935.2 0.6 −76.3	935.8 0.7 −76.3	936.5 0.7 −76.3	937.2 0.6 −76.3	937.8 0.7 −76.2
4	938.5 0.7 −76.2	939.2 0.7 −76.2	939.9 0.7 −76.1	940.6 0.8 −76.1	941.4 0.7 −76.1	942.1 0.8 −76.1	942.9 0.8 −76.1	943.7 0.7 −76.1	944.4 0.8 −76.0	945.2 0.8 −76.0
5	946.0 0.9 −76.0	946.9 0.8 −76.0	947.7 0.9 −75.9	948.6 0.9 −75.9	949.5 0.8 −75.9	950.3 0.9 −75.9	951.2 0.9 −75.8	952.1 0.9 −75.8	953.0 0.9 −75.8	953.9 0.9 −75.7

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 23.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
6	954.8 1.0 −75.7	955.8 0.9 −75.7	956.7 1.0 −75.7	957.7 1.0 −75.7	958.7 1.0 −76.6	959.7 1.0 −75.6	960.7 1.0 −75.6	961.7 1.0 −75.6	962.7 1.1 −75.5	963.8 1.0 −75.5
7	964.8 1.1 −75.5	965.9 1.0 −75.5	966.9 1.1 −75.4	968.0 1.1 −75.4	969.1 1.1 −75.4	970.2 1.1 −75.3	971.3 1.2 −75.3	972.5 1.1 −75.3	973.6 1.2 −75.3	974.8 1.2 −75.3
8	976.0 1.1 −75.3	977.1 1.2 −75.2	978.3 1.2 −75.2	979.5 1.2 −75.1	980.7 1.2 −75.1	981.9 1.3 −75.1	983.2 1.2 −75.1	984.4 1.3 −75.1	985.7 1.3 −75.1	987.0 1.2 −75.[illegible]
9	988.2 1.3 −75.0	989.5 1.3 −75.0	990.8 1.4 −75.0	992.2 1.3 −75.0	993.5 1.3 −75.0	994.8 1.3 −74.9	996.1 1.4 −74.9	997.5 1.4 −74.9	998.9 1.3 −74.9	1000.2 1.4 −74.8
10	1001.6 1.4 −74.8	1003.0 1.5 −74.8	1004.5 1.4 −74.8	1005.9 1.4 −74.8	1007.3 1.4 −74.8	1008.7 1.5 −74.7	1010.2 1.5 −74.7	1011.7 1.4 −74.7	1013.1 1.5 −74.6	1014.6 1.5 −74.6
11	1016.1 1.5 −74.6	1017.6 1.5 −74.6	1019.1 1.6 −74.6	1020.7 1.5 −74.6	1022.2 1.5 −74.5	1023.7 1.6 −74.5	1025.3 1.5 −74.5	1026.8 1.6 −74.4	1028.4 1.6 −74.4	1030.0 1.6 −74.4
12	1031.6 1.6 −74.4	1033.2 1.7 −74.4	1034.9 1.6 −74.4	1036.5 1.7 −74.4	103[illegible].2 1.6 −74.4	1039.8 1.6 −74.3	1041.4 1.7 −75.3	1043.1 1.7 −74.3	1044.8 1.7 −74.3	1046.5 1.7 −74.3
13	1048.2 1.7 −74.2	1049.9 1.7 −74.2	1051.6 1.8 −74.2	1053.4 1.7 −74.2	1055.1 1.8 −74.2	1056.9 1.7 −74.2	1058.6 1.8 −74.1	1060.4 1.8 −74.1	1062.2 1.8 −74.1	1064.0 1.8 −74.1

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 23.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
14	1065.8 1.8 −74.1	1067.6 1.8 −74.0	1069.4 1.9 −74.0	1071.3 1.8 −74.0	1073.1 1.9 −74.0	1075.0 1.8 −74.0	1076.8 1.9 −74.0	1078.7 1.9 −74.0	1080.6 1.9 −74.0	1082.5 1.9 −74.0
15	1084.4 1.9 −74.0	1086.3 1.9 −73.9	1088.2 1.9 −73.9	1090.1 2.0 −73.9	1092.1 1.9 −73.9	1094.0 2.0 −73.8	1096.0 2.0 −73.8	1098.0 1.9 −73.8	1099.9 2.0 −73.8	1101.9 2.0 −73.8
16	1103.9 2.0 −73.8	1105.9 2.0 −73.7	1107.9 2.1 −73.7	1110.0 2.0 −73.7	1112.0 2.0 −73.7	1114.0 2.1 −73.7	1116.1 2.1 −73.7	1118.2 2.1 −73.7	1120.3 2.0 −73.7	1122.3 2.1 −73.6
17	1124.4 2.1 −73.6	1126.5 2.1 −73.6	1128.6 2.2 −73.6	1130.8 2.1 −73.6	1132.9 2.2 −73.6	1135.1 2.1 −73.6	1137.2 2.1 −73.5	1139.3 2.2 −73.5	1141.5 2.2 −73.5	1143.7 2.2 −73.5
18	1145.9 2.2 −73.5	1148.1 2.2 −73.5	1150.3 2.2 −73.5	1152.5 2.2 −73.5	1154.7 2.2 −73.4	1156.9 2.3 −73.4	1159.2 2.2 −73.4	1161.4 2.3 −73.4	1163.7 2.3 −73.4	1166.0 2.2 −73.4
19	1168.2 2.3 −73.3	1170.5 2.3 −73.3	1172.8 2.3 −73.3	1175.1 2.3 −73.3	1177.4 2.3 −73.3	1179.7 2.4 −73.3	1182.1 2.4 −73.3	1184.5 2.3 −73.3	1186.8 2.4 −73.3	1189.2 2.3 −73.3
20	1191.5 2.4 −73.2	1193.9 2.4 −73.2	1196.3 2.4 −73.2	1198.7 2.4 −73.2	1201.1 2.4 −73.2	1203.5 2.4 −73.2	1205.9 2.4 −73.2	1208.3 2.4 −73.1	1210.7 2.5 −73.1	1213.2 2.5 −73.1
21	1215.7 2.5 −73.1	1218.2 2.5 −73.1	1220.7 2.4 −73.1	1223.1 2.5 −73.1	1225.6 2.5 −73.1	1228.1 2.5 −73.0	1230.6 2.6 −73.0	1233.2 2.5 −73.0	1235.7 2.5 −73.0	1238.2 2.5 −73.0

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 23.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22....	1240.7 2.6 −73.0	1243.3 2.6 −73.0	1245.9 2.5 −73.0	1248.4 2.6 −73.0	1251.0 2.6 −73.0	1253.6 2.6 −73.0	1256.2 2.6 −73.0	1258.8 2.7 −72.9	1261.5 2.6 −72.9	1264.1 2.7 −72.9
23....	1266.8 2.6 −72.9	1269.4 2.6 −72.9	1272.0 2.7 −72.9	1274.7 2.6 −72.9	1277.3 2.7 −72.8	1280.0 2.7 −72.8	1282.7 2.7 −72.8	1285.4 2.7 −72.8	1288.1 2.7 −72.8	1290.8 2.8 −72.8
24....	1293.6 2.7 −72.8	1296.3 2.7 −72.8	1299.0 2.8 −72.8	1301.8 2.7 −72.8	1304.5 2.8 −72.8	1307.3 2.8 −72.8	1310.1 2.7 −72.8	1312.8 2.8 −72.8	1315.6 2.8 −72.8	1318.4 2.8 −72.8
25....	1321.2 2.8 −72.7	1324.0 2.9 −72.7	1326.9 2.8 −72.7	1329.7 2.8 −72.7	1332.5 2.8 −72.7	1335.3 2.9 −72.7	1338.2 2.9 −72.7	1341.1 2.9 −72.7	1344.0 2.9 −72.7	1346.9 2.8 −72.7
26....	1349.7 2.9 −72.6	1352.6 2.9 −72.6	1355.5 3.0 −72.6	1358.5 2.9 −72.6	1361.4 2.9 −72.6	1364.3 3.0 −72.6	1367.3 2.9 −72.6	1370.2 2.9 −72.6	1373.1 3.0 −72.6	1376.1 3.0 −72.6
27....	1379.1 3.0 −72.6	1382.1 3.0 −72.6	1385.1 3.0 −72.6	1388.1 3.0 −72.6	1391.1 3.0 −72.6	1394.1 3.0 −72.6	1397.1 3.0 −72.6	1400.1 3.1 −72.6	1403.2 3.1 −72.6	1406.3 3.0 −72.6
28....	1409.3 3.1 −72.5	1412.4 3.1 −72.5	1415.5 3.0 −72.5	1418.5 3.1 −72.5	1421.6 3.1 −72.5	1424.7 3.1 −72.5	1427.8 3.1 −72.5	1430.9 3.2 −72.5	1434.1 3.2 −72.5	1437.3 3.1 −72.5
29....	1440.4 3.1 −72.5	1443.5 3.2 −72.5	1446.7 3.2 −72.5	1449.9 3.2 −72.5	1453.1 3.1 −72.5	1456.2 3.2 −72.5	1459.4 3.1 −72.5	1462.5 3.2 −72.4	1465.7 3.3 −72.4	1469.0 3.1 −72.4

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 23.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
30	1472.23 3.23 -72.41	1475.46 3.24 -72.40	1478.70 3.25 -72.40	1481.95 3.26 -72.39	1485.20 3.26 -72.39	1488.47 3.27 -72.38	1491.74 3.28 -72.38	1495.02 3.29 -72.37	1498.31 3.30 -72.37	1501.60 3.31 -72.36
31	1504.91 3.31 -72.36	1508.22 3.32 -72.35	1511.54 3.33 -72.35	1514.87 3.34 -72.34	1518.21 3.35 -72.34	1521.56 3.35 -72.33	1524.91 3.36 -72.33	1528.27 3.37 -72.33	1531.64 3.38 -72.32	1535.02 3.39 -72.32
32	1538.41 3.40 -72.31	1541.81 3.40 -72.31	1545.21 3.41 -72.30	1548.62 3.42 -72.30	1552.04 3.43 -72.29	1555.47 3.44 -72.29	1558.90 3.44 -72.29	1562.35 3.45 -72.28	1565.80 3.46 -72.28	1569.26 3.47 -72.27
33	1572.72 3.48 -72.27	1576.20 3.48 -72.27	1579.69 3.49 -72.26	1583.18 3.50 -72.26	1586.68 3.51 -72.26	1590.19 3.52 -72.25	1593.70 3.53 -72.25	1597.23 3.53 -72.24	1600.76 3.54 -72.24	1604.30 3.55 -72.24
34	1607.85 3.56 -72.23	1611.41 3.57 -72.23	1614.97 3.57 -72.23	1618.55 3.58 -72.22	1622.13 3.59 -72.22	1625.72 3.60 -72.22	1629.32 3.61 -72.21	1632.92 3.61 -72.21	1636.54 3.62 -72.21	1640.16 3.63 -72.20
35	1643.79 3.64 -72.20	1647.42 3.65 -72.20	1651.07 3.65 -72.20	1654.73 3.66 -72.19	1658.39 3.67 -72.19	1662.06 3.68 -72.19	1665.74 3.69 -72.18	1669.42 3.69 -72.18	1673.12 3.70 -72.18	1676.82 3.71 -72.18

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 24.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
−1	843.2 0.0 −77.6	843.2 0.0 −77.6	843.2 0.0 −77.7	843.2 0.0 −77.7	843.2 0.0 −77.7	843.2 0.1 −77.7	843.3 0.1 −77.8	843.4 0.1 −77.9	843.5 0.1 −77.9	843.6 0.1 −77.9
−0	844.2 −0.1 −77.2	844.1 −0.2 −77.3	843.9 −0.1 −77.3	843.8 −0.2 −77.4	843.6 −0.1 −77.4	843.5 −0.1 −77.4	843.4 −0.1 −77.4	843.3 0.0 −77.5	843.3 −0.1 −77.5	843.2 0.0 −77.5
+0	844.2 0.2 −77.2	844.4 0.2 −77.2	844.6 0.2 −77.2	844.8 0.2 −77.2	845.0 0.3 −77.2	845.3 0.2 −77.2	845.5 0.3 −77.1	845.8 0.3 −77.1	846.1 0.3 −77.1	846.4 0.3 −77.0
1	846.7 0.3 −77.0	847.0 0.3 −77.0	847.3 0.4 −76.9	847.7 0.4 −76.9	848.1 0.3 −76.9	848.4 0.4 −76.8	848.8 0.5 −76.8	849.3 0.4 −76.8	849.7 0.4 −76.8	850.1 0.4 −76.7
2	850.6 0.5 −76.7	851.1 0.4 −76.7	851.5 0.5 −76.6	852.0 0.5 −76.6	852.5 0.5 −76.5	853.0 0.5 −76.5	853.5 0.6 −76.5	854.1 0.5 −76.5	854.6 0.6 −76.4	855.2 0.6 −76.4
3	855.8 0.6 −76.4	856.4 0.6 −76.4	857.0 0.6 −76.4	857.6 0.6 −76.3	858.2 0.7 −76.3	858.9 0.6 −76.3	859.5 0.7 −76.2	860.2 0.7 −76.2	860.9 0.7 −76.2	861.6 0.7 −76.2
4	862.3 0.7 −76.1	863.0 0.8 −76.1	863.8 0.7 −76.1	864.5 0.8 −76.0	865.3 0.7 −76.0	866.0 0.8 −75.9	866.8 0.8 −75.9	867.6 0.8 −75.9	868.4 0.8 −75.9	869.2 0.8 −75.8
5	870.0 0.9 −75.8	870.9 0.9 −75.8	871.8 0.9 −75.8	872.7 0.9 −75.8	873.6 0.9 −75.8	874.5 0.9 −75.8	875.4 0.9 −75.8	876.3 0.9 −75.7	877.2 1.0 −75.7	878.2 0.9 −75.7

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 24.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
6....	879.1 1.0 −75.6	880.1 0.9 −75.6	881.0 1.0 −75.6	882.0 1.1 −75.6	883.1 1.0 −75.6	884.1 1.0 −75.5	885.1 1.0 −75.5	886.1 1.1 −75.4	887.2 1.1 −75.4	888.3 1.0 −75.4
7....	889.3 1.1 −75.3	890.4 1.1 −75.3	891.5 1.1 −75.3	392.6 1.1 −75.3	893.7 1.2 −75.3	894.9 1.1 −75.3	896.0 1.2 −75.3	897.2 1.1 −75.3	898.3 1.2 −75.2	899.5 1.2 −75.2
8....	900.7 1.2 −75.1	901.9 1.2 −75.1	903.1 1.3 −75.1	904.4 1.2 −75.1	905.6 1.2 −75.1	906.8 1.3 −75.0	908.1 1.2 −75.0	909.3 1.3 −75.0	910.6 1.3 −75.0	911.9 1.3 −74.9
9....	913.2 1.3 −74.9	914.5 1.3 −74.9	915.8 1.4 −74.9	917.2 1.3 −74.9	918.5 1.4 −74.8	919.9 1.3 −74.8	921.2 1.4 −74.8	922.6 1.4 −74.8	924.0 1.4 −74.7	925.4 1.4 −74.7
10....	926.8 1.4 −74.7	928.2 1.5 −74.7	929.7 1.4 −74.7	931.1 1.4 −74.7	932.5 1.5 −74.6	934.0 1.5 −74.6	935.5 1.5 −74.6	937.0 1.5 −74.6	938.5 1.5 −74.6	940.0 1.5 −74.6
11....	941.5 1.5 −74.5	943.0 1.5 −74.5	944.5 1.6 −74.5	946.1 1.6 −74.5	947.7 1.5 −74.5	949.2 1.6 −74.4	950.8 1.6 −74.4	952.4 1.6 −74.4	954.0 1.6 −74.4	955.6 1.6 −74.3
12....	957.2 1.6 −74.3	958.8 1.7 −74.3	960.5 1.6 −74.3	962.1 1.7 −74.3	963.8 1.7 −74.3	965.5 1.6 −74.3	967.1 1.7 −74.2	968.8 1.7 −73.2	970.5 1.7 −74.2	972.2 1.8 −74.2
13....	974.0 1.7 −74.2	975.7 1.7 −74.2	977.4 1.8 −74.1	979.2 1.7 −74.1	980.9 1.8 −74.1	982.7 1.8 −74.1	984.5 1.8 −74.1	986.3 1.8 −74.1	988.1 1.8 −74.1	989.9 1.8 −74.0

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 24.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
14....	991.7 1.9 −74.0	993.6 1.8 −74.0	995.4 1.9 −74.0	997.3 1.8 −74.0	999.1 1.9 −74.0	1001.0 1.8 −74.0	1002.8 1.9 −73.9	1004.7 1.9 −73.9	1006.6 1.9 −73.8	1008.5 1.9 −73.8
15....	1010.4 2.0 −74.8	1012.4 1.9 −74.8	1014.3 1.9 −74.8	1016.2 2.0 −74.8	1018.2 2.0 −74.8	1020.2 2.0 −74.8	1022.2 2.0 −74.8	1024.2 1.9 −74.8	1026.1 2.0 −74.7	1028.1 2.0 −74.7
16....	1030.1 2.1 −73.7	1032.2 2.0 −73.7	1034.2 2.1 −73.6	1036.3 2.0 −73.6	1038.3 2.0 −73.6	1040.3 2.1 −73.6	1042.4 2.1 −73.6	1044.5 2.1 −73.6	1046.6 2.1 −73.6	1048.7 2.1 −73.6
17....	1050.8 2.1 −73.5	1052.9 2.1 −73.5	1055.0 2.2 −73.5	1057.2 2.1 −73.5	1059.3 2.2 −73.5	1061.5 2.2 −73.5	1063.7 2.1 −73.5	1065.8 2.2 −73.4	1068.0 2.2 −73.4	1070.2 2.2 −73.4
18....	1072.4 2.2 −73.4	1074.6 2.2 −73.4	1076.8 2.2 −73.4	1079.0 2.3 −73.3	1081.3 2.2 −73.3	1083.5 2.3 −73.3	1085.8 2.2 −73.3	1088.0 2.3 −73.3	1090.3 2.3 −73.3	1092.6 2.3 −73.3
19....	1094.9 2.3 −73.3	1097.2 2.3 −73.3	1099.5 2.3 −73.3	1101.8 2.3 −73.3	1104.1 2.3 −73.2	1106.4 2.4 −73.2	1108.8 2.4 −73.2	1111.2 2.3 −73.2	1113.5 2.4 −73.2	1115.9 2.4 −73.2
20....	1118.3 2.4 −73.2	1120.7 2.4 −73.2	1123.1 2.4 −73.2	1125.5 2.4 −73.2	1127.9 2.4 −73.2	1130.3 2.4 −73.1	1132.7 2.5 −73.1	1135.2 2.4 −73.1	1137.6 2.5 −73.1	1140.1 2.5 −73.1
21....	1142.6 2.5 −73.1	1145.1 2.5 −73.1	1147.6 2.4 −73.1	1150.0 2.5 −73.0	1152.5 2.6 −73.0	1155.1 2.5 −73.0	1157.6 2.6 −73.0	1160.2 2.5 −73.0	1162.7 2.5 −73.0	1165.2 2.5 −73.0

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 24.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22----	1167.7 2.6 −72.9	1170.3 2.6 −72.9	1172.9 2.5 −72.9	1175.4 2.6 −72.9	1178.0 2.6 −72.9	1180.6 2.6 −72.9	1183.2 2.7 −72.9	1185.9 2.7 −72.9	1188.6 2.6 −72.9	1191.2 2.7 −72.9
23----	1193.9 2.6 −72.9	1196.5 2.6 −72.8	1199.1 2.7 −72.8	1201.8 2.7 −72.8	1204.5 2.7 −72.8	1207.2 2.7 −72.8	1209.9 2.7 −72.8	1212.6 2.7 −72.8	1215.3 2.7 −72.8	1218.0 2.8 −72.8
24----	1220.8 2.7 −72.8	1223.5 2.7 −72.8	1226.2 2.8 −72.7	1229.0 2.7 −72.7	1231.7 2.8 −72.7	1234.5 2.8 −72.7	1237.3 2.7 −72.7	1240.0 2.8 −72.7	1242.8 2.8 −72.7	1245.6 2.9 −72.7
25----	1248.5 2.8 −72.7	1251.3 2.9 −72.7	1254.2 2.8 −72.7	1257.0 2.8 −72.7	1259.[illegible] [illegible] −72.6	1262.6 2.9 −72.6	1265.5 2.9 −72.6	1268.4 2.9 −72.6	1271.3 2.9 −72.6	1274.2 2.9 −72.6
26----	1277.1 2.9 −72.6	1280.0 2.9 −72.6	1282.9 3.0 −72.6	1285.9 2.9 −72.6	1288.8 2.9 −72.6	1291.7 3.0 −72.6	1294.7 2.9 −72.6	1297.6 2.9 −72.5	1300.5 3.0 −72.5	1303.5 3.0 −72.5
27----	1306.5 3.0 −72.5	1309.5 3.0 −72.5	1312.5 3.0 −72.5	1315.5 3.0 −72.5	1318.5 3.0 −72.5	1321.5 3.0 −72.5	1324.5 3.0 −72.4	1327.5 3.1 −72.4	1330.6 3.1 −72.4	1333.7 3.1 −72.4
28----	1336.8 3.1 −72.4	1339.9 3.1 −72.4	1343.0 3.0 −72.4	1346.0 3.1 −72.4	1349.1 3.1 −72.4	1352.2 3.1 −72.4	1355.3 3.1 −72.4	1358.4 3.2 −72.4	1361.6 3.2 −72.4	1364.8 3.1 −72.4
29----	1367.9 3.1 −72.4	1371.0 3.2 −72.4	1374.2 3.2 −72.4	1377.4 3.2 −72.4	1380.6 3.1 −72.4	1383.7 3.2 −72.4	1386.9 3.2 −72.4	1390.1 3.2 −72.4	1393.3 3.3 −72.4	1396.6 3.2 −72.4

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 24.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
30--	1399.82 3.24 -72.34	1403.05 3.24 -72.33	1406.30 3.25 -72.33	1409.55 3.26 -72.32	1412.81 3.27 -72.32	1416.08 3.28 -72.31	1419.36 3.29 -72.31	1422.65 3.29 -72.30	1425.94 3.30 -72.30	1429.24 3.31 -72.29
31--	1432.55 3.32 -72.29	1435.87 3.33 -72.28	1439.20 3.33 -72.28	1442.53 3.34 -72.27	1445.87 3.35 -72.27	1449.22 3.36 -72.27	1452.58 3.37 -72.26	1455.95 3.37 -72.26	1459.32 3.38 -72.25	1462.71 3.39 -72.25
32--	1466.10 3.40 -72.24	1469.50 3.41 -72.24	1472.90 3.42 -72.24	1476.32 3.42 -72.23	1479.74 3.43 -72.23	1483.18 3.44 -72.22	1486.61 3.45 -72.22	1490.06 3.46 -72.22	1493.52 3.46 -72.21	1496.98 3.47 -72.21
33--	1500.45 3.48 -72.20	1503.93 3.49 -72.20	1507.42 3.50 -72.20	1510.92 3.50 -72.19	1514.42 3.51 -72.19	1517.93 3.52 -72.19	1521.46 3.53 -72.18	1524.98 3.54 -72.18	1528.52 3.54 -72.18	1532.06 3.55 -72.17
34--	1535.62 3.56 -72.17	1539.18 3.57 -72.17	1542.75 3.58 -72.16	1546.32 3.58 -72.16	1549.91 3.59 -72.16	1553.50 3.60 -72.15	1557.10 3.61 -72.15	1560.71 3.62 -72.15	1564.33 3.63 -72.15	1567.95 3.63 -72.14
35--	1571.59 3.64 -72.14	1575.23 3.65 -72.14	1578.88 3.66 -72.14	1582.53 3.67 -72.13	1586.20 3.67 -72.13	1589.87 3.68 -72.13	1593.55 3.69 -72.12	1597.24 3.70 72.12	1600.94 3.71 -72.12	1604.64 3.71 -72.12

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 25.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
−1	765.6 0.0 −77.5	765.6 −0.1 −77.5	765.5 0.0 −77.5	765.5 0.0 −77.6	765.5 0.0 −77.6	765.5 0.0 −77.6	765.5 0.0 −77.6	765.5 0.1 −77.6	765.6 0.1 −77.7	765.7 0.1 −77.8
−0	767.0 −0.2 −77.2	766.8 −0.2 −77.2	766.6 −0.2 −77.3	766.4 −0.2 −77.3	766.2 −0.2 −77.3	766.1 −0.1 −77.3	766.0 −0.1 −77.4	765.9 −0.1 −77.4	765.9 −0.1 −77.4	765.7 −0.1 −77.5
+0	767.0 0.2 −77.2	767.2 0.2 −77.2	767.4 0.2 −77.1	767.6 0.2 −77.0	767.8 0.3 −77.0	768.1 0.3 −77.0	768.4 0.3 −76.9	768.7 0.3 −76.9	769.0 0.4 −76.9	769.4 0.3 −76.9
1	769.7 0.3 −76.8	770.0 0.4 −76.8	770.4 0.4 −76.8	770.8 0.4 −76.7	771.2 0.4 −76.7	771.6 0.4 −76.7	772.0 0.5 −76.7	772.5 0.4 −76.7	772.9 0.5 −76.6	773.4 0.5 −76.6
2	773.9 0.5 −76.6	774.4 0.5 −76.6	774.9 0.5 −76.5	775.4 0.6 −76.5	776.0 0.5 −76.5	776.5 0.5 −76.5	777.0 0.6 −76.4	777.6 0.6 −76.4	778.2 0.6 −76.4	778.8 0.6 −76.4
3	779.4 0.6 −76.3	780.0 0.6 −76.3	780.6 0.7 −76.2	781.3 0.6 −76.2	781.9 0.7 −76.1	782.6 0.7 −76.1	783.3 0.7 −76.1	784.0 0.7 −76.1	784.7 0.7 −76.1	785.4 0.8 −76.0
4	783.2 0.7 −76.0	786.9 0.8 −76.0	787.7 0.8 −76.0	788.5 0.8 −76.0	789.3 0.8 −76.0	790.1 0.8 −75.9	790.9 0.8 −75.9	791.7 0.8 −75.9	792.5 0.9 −75.8	793.4 0.8 −75.8
5	794.2 0.9 −75.7	795.1 0.9 −75.7	796.0 0.9 −75.7	796.9 0.9 −75.7	797.8 0.9 −75.7	798.7 0.9 −75.6	799.6 1.0 −75.6	800.6 0.9 −75.6	801.5 1.0 −75.5	802.5 1.0 −75.5

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 25.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
6----	803.5 1.0 −75.5	804.5 0.9 −75.5	805.4 1.0 −75.4	806.4 1.1 −75.4	807.5 1.1 −75.4	808.6 1.0 −75.4	809.6 1.1 −75.3	810.7 1.1 −75.3	811.8 1.1 −75.3	812.9 1.1 −75.3
7----	814.0 1.1 −75.3	815.1 1.1 −75.2	816.2 1.1 −75.2	817.3 1.1 −75.2	818.4 1.2 −75.2	819.6 1.1 −75.2	820.7 1.2 −75.1	821.9 1.2 −75.1	823.1 1.2 −75.1	824.3 1.3 −75.1
8----	825.6 1.2 −75.1	826.8 1.2 −75.1	828.0 1.3 −75.0	829.3 1.2 −75.0	830.5 1.3 −75.0	831.8 1.3 −75.0	833.1 1.2 −75.0	834.3 1.3 −74.9	835.6 1.4 −74.9	837.0 1.3 −74.9
9----	838.3 1.3 −74.9	839.6 1.3 −74.8	840.9 1.4 −74.8	842.3 1.4 −74.8	843.7 1.4 −74.8	845.1 1.3 −74.8	846.4 1.4 −74.7	847.8 1.5 −74.7	849.3 1.4 −74.7	850.7 1.4 −74.7
10----	852.1 1.4 −74.7	853.5 1.5 −74.6	855.0 1.4 −74.6	856.4 1.5 −74.6	857.9 1.5 −74.6	859.4 1.5 −74.6	860.9 1.5 −74.5	862.4 1.5 −74.5	863.9 1.5 −74.5	865.4 1.6 −74.5
11----	867.0 1.5 −74.5	868.5 1.5 −74.5	870.0 1.6 −74.4	871.6 1.6 −74.4	873.2 1.6 −74.4	874.8 1.6 −74.4	876.4 1.6 −74.3	878.0 1.6 −74.3	879.6 1.7 −74.3	881.3 1.6 −74.3
12----	882.9 1.6 −74.3	884.5 1.7 −74.2	886.2 1.6 −74.2	887.8 1.7 −74.2	889.5 1.7 −74.2	891.2 1.7 −74.1	892.9 1.7 −74.1	894.6 1.7 −74.1	896.3 1.7 −74.1	898.0 1.8 −74.1
13----	899.8 1.7 −74.1	901.5 1.8 −74.0	903.3 1.8 −74.0	905.1 1.7 −74.0	906.8 1.8 −74.0	908.6 1.8 −74.0	910.4 1.8 −73.9	912.2 1.8 −73.9	914.0 1.9 −73.9	915.9 1.8 −73.9

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 25.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
14	917.7	919.6	921.4	923.3	925.1	927.0	928.9	930.8	932.8	934.7
	1.9	1.8	1.9	1.8	1.9	1.9	1.9	2.0	1.9	1.9
	−73.9	−73.9	−73.9	−73.9	−73.8	−73.8	−73.8	−73.8	−73.8	−73.8
15	936.6	938.6	940.5	942.4	944.4	946.4	948.4	950.4	952.4	954.4
	2.0	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	−73.8	−73.8	−73.7	−73.7	−73.7	−73.6	−73.6	−73.6	−73.6	−73.6
16	956.4	958.5	960.6	962.7	964.7	966.7	968.8	970.9	973.0	975.1
	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.2
	−73.6	−73.6	−73.6	−73.6	−73.6	−73.5	−73.5	−73.5	−73.5	−73.5
17	977.3	979.4	981.5	983.7	985.8	988.0	990.2	992.4	994.6	996.8
	2.1	2.1	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2
	−73.5	−73.4	−73.4	−73.4	−73.4	−73.4	−73.4	−73.4	−73.4	−73.4
18	999.0	1001.2	1003.4	1005.7	1008.0	1010.2	1012.5	1014.7	1017.0	1019.3
	2.2	2.2	2.3	2.3	2.2	2.3	2.2	2.3	2.3	2.3
	−73.3	−73.3	−73.3	−73.3	−73.3	−73.3	−73.3	−73.2	−73.2	−73.2
19	1021.6	1023.9	1026.2	1028.5	1030.9	1033.2	1035.6	1038.0	1040.3	1042.7
	2.3	2.3	2.3	2.4	2.3	2.4	2.4	2.3	2.4	2.4
	−73.2	−73.2	−73.1	−73.1	−73.1	−73.1	−73.1	−73.1	−73.1	−73.1
20	1045.1	1047.5	1049.9	1052.3	1054.7	1057.2	1059.6	1062.1	1064.5	1067.0
	2.4	2.4	2.4	2.4	2.5	2.4	2.5	2.4	2.5	2.5
	−74.1	−73.0	−73.0	−73.0	−73.0	−73.0	−73.0	−73.0	−72.9	−72.9
21	1069.5	1072.0	1074.5	1077.0	1079.5	1082.1	1084.6	1087.2	1089.7	1092.2
	2.5	2.5	2.5	2.5	2.6	2.5	2.6	2.5	2.5	2.6
	−72.9	−72.9	−72.9	−72.9	−72.9	−72.9	−72.9	−72.9	−72.9	−72.8

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 25.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22	1094.8 2.6 −72.8	1097.4 2.6 −72.8	1100.0 2.5 −72.8	1102.5 2.6 −72.8	1105.1 2.6 −72.8	1107.7 2.6 −72.8	1110.3 2.7 −72.8	1113.0 2.7 −72.8	1115.7 2.6 −72.8	1118.3 2.7 −72.8
23	1121.0 2.7 −72.8	1123.7 2.6 −72.8	1126.3 2.7 −72.8	1129.0 2.7 −72.8	1131.7 2.7 −72.8	1134.4 2.7 −72.8	1137.1 2.7 −72.7	1139.8 2.7 −72.7	1142.5 2.7 −72.7	1145.2 2.8 −72.7
24	1148.0 2.7 −72.7	1150.7 2.[illegible] −72.7	1153.5 2.8 −72.7	1156.3 2.7 −72.7	1159.0 2.8 −72.7	1161.8 2.8 −72.7	1164.6 2.7 −72.7	1167.3 2.8 −72.6	1170.1 2.8 −72.6	1172.9 2.9 −72.6
25	1175.8 2.8 −72.6	1178.6 2.9 −72.6	1181.5 2.8 −72.6	1184.3 2.9 −72.6	1187.2 2.8 −72.6	1190.0 2.9 −72.5	1192.9 2.9 −72.5	1195.8 2.9 −72.5	1198.7 2.9 −72.5	1201.6 2.9 −72.5
26	1204.5 2.9 −72.5	1207.4 2.9 −72.5	1210.3 3.0 −72.5	1213.3 2.9 −72.5	1216.2 2.9 −72.5	1219.1 3.0 −72.5	1222.1 3.0 −72.5	1225.1 2.9 −72.5	1228.0 3.0 −72.4	1231.0 3.0 −72.4
27	1234.0 3.0 −72.4	1237.0 3.0 −72.4	1240.0 3.0 −72.4	1243.0 3.0 −72.4	1246.0 3.0 −72.4	1249.0 3.1 −72.4	1252.1 3.0 −72.4	1255.1 3.1 −72.4	1258.2 3.1 −72.4	1261.3 3.1 −72.4
28	1264.4 3.1 −72.4	1267.5 3.1 −72.4	1270.6 3.0 −72.4	1273.6 3.1 −72.4	1276.7 3.1 −72.4	1279.8 3.1 −72.3	1282.9 3.1 −72.3	1286.0 3.2 −72.3	1289.2 3.2 −72.3	1292.4 3.1 −72.3
29	1295.5 3.1 −72.3	1298.6 3.2 −72.3	1301.8 3.2 −72.3	1305.0 3.2 −72.3	1308.2 3.1 −72.3	1311.3 3.2 −72.3	1314.5 3.2 −72.3	1317.7 3.2 −72.3	1320.9 3.3 −72.3	1324.2 3.3 −72.3

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 25.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
30--	1327.48 3.24 -72.27	1330.72 3.25 -72.26	1333.97 3.26 -72.26	1337.23 3.27 -72.25	1340.50 3.27 -72.25	1343.77 3.28 -72.24	1347.05 3.29 -72.24	1350.34 3.30 -72.23	1353.64 3.31 -72.23	1356.95 3.31 -72.22
31--	1360.26 3.32 -72.22	1363.59 3.33 -72.22	1366.92 3.34 -72.21	1370.26 3.35 -72.21	1373.60 3.36 -72.20	1376.96 3.36 -72.20	1380.32 3.37 -72.19	1383.69 3.38 -72.19	1387.07 3.39 -72.19	1390.46 3.40 -72.18
32--	1393.85 3.40 -72.18	1397.26 3.41 -72.17	1400.67 3.42 -72.17	1404.09 3.43 -72.17	1407.52 3.44 -72.16	1410.95 3.44 -72.16	14[illegible].40 3.45 -72.16	1417.85 3.46 -72.15	1421.31 3.47 -72.15	1424.77 3.48 -72.14
33--	1428.25 3.48 -72.14	1431.73 3.49 -72.14	1435.23 3.50 -72.13	1438.73 3.51 -72.13	1442.23 3.52 -72.13	1445.75 3.52 -72.13	1449.27 3.53 -72.12	1452.80 3.54 -72.12	1456.34 3.55 -72.12	1459.89 3.56 -72.11
34--	1463.45 3.56 -72.11	1467.01 3.57 -72.11	1470.58 3.58 -72.10	1474.16 3.59 -72.10	1477.75 3.60 -72.10	1481.35 3.60 -72.10	1484.95 3.61 -72.09	1488.56 3.62 -72.09	1492.18 3.63 -72.09	1495.81 3.64 -72.09
35--	1499.45 3.64 -72.08	1503.09 3.65 -72.08	1506.74 3.66 -72.08	1510.40 3.67 -72.08	1514.07 3.68 -72.07	1517.74 3.68 -72.07	1521.43 3.69 -72.07	1525.12 3.70 -72.07	1528.82 3.71 -72.06	153[illegible] [illegible] -7[illegible].06

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 26.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
−1	688.1 0.0 −77.3	688.1 −0.1 −77.4	688.0 −0.1 −77.4	687.9 0.0 −77.4	687.9 0.0 −77.5	687.9 0.0 −77.5	687.9 0.0 −77.6	687.9 0.0 −77.6	687.9 0.0 −77.6	687.9 0.0 −77.6
−0	689.8 −0.2 −77.1	689.6 −0.3 −77.1	689.3 −0.2 −77.1	689.1 −0.2 −77.1	688.9 −0.1 −77.1	688.8 −0.2 −77.2	688.6 −0.1 −77.2	688.5 −0.1 −77.3	688.4 −0.2 −77.3	688.2 −0.1 −77.3
+0	689.8 0.2 −77.1	690.0 0.3 −77.0	690.3 0.3 −77.0	690.6 0.2 −77.0	690.8 0.3 −76.9	691.1 0.4 −76.9	691.5 0.3 −76.9	691.8 0.3 −76.8	692.1 0.4 −76.8	692.5 0.4 −76.8
1	692.9 0.3 −76.8	693.2 0.4 −76.7	693.6 0.5 −76.7	694.1 0.4 −76.7	694.5 0.4 −76.7	694.9 0.4 −76.6	695.3 0.5 −76.5	695.8 0.5 −76.5	696.3 0.5 −76.5	696.8 0.5 −76.5
2	697.3 0.5 −76.5	697.8 0.6 −76.4	698.4 0.5 −76.4	698.9 0.6 −76.4	699.5 0.5 −76.4	700.0 0.6 −76.3	700.6 0.6 −76.3	701.2 0.6 −76.3	701.8 0.6 −76.2	702.4 0.7 −76.2
3	703.1 0.6 −76.2	703.7 0.7 −76.1	704.4 0.7 −76.1	705.1 0.7 −76.1	705.8 0.7 −76.1	706.5 0.7 −76.1	707.2 0.7 −76.0	707.9 0.7 −76.0	708.6 0.8 −75.9	709.4 0.8 −75.9
4	710.2 0.7 −75.9	710.9 0.8 −75.8	711.7 0.8 −75.8	712.5 0.8 −75.8	713.3 0.9 −75.8	714.2 0.8 −75.8	715.0 0.8 −75.7	715.8 0.9 −75.7	716.7 0.9 −75.7	717.6 0.9 −75.7
5	718.5 0.9 −75.7	719.4 0.9 −75.7	720.3 0.9 −75.7	721.2 0.9 −75.6	722.1 1.0 −75.6	723.1 0.9 −75.6	724.0 1.0 −75.5	725.0 1.0 −75.5	726.0 1.0 −75.5	727.0 1.0 −75.5

Table 2 —$10^5\Delta_{s,t}$ FOR SALINITY 26.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
6....	728.0 1.0 −75.4	729.0 1.0 −75.4	730.0 1.0 −75.4	731.0 1.1 −75.3	732.1 1.1 −75.3	733.2 1.1 −75.3	734.3 1.1 −75.3	735.4 1.1 −75.3	736.5 1.1 −75.3	737.6 1.1 −75.3
7....	738.7 1.2 −75.2	739.9 1.1 −75.2	741.0 1.1 −75.1	742.1 1.1 −75.1	743.2 1.2 −75.0	744.4 1.2 −75.0	745.6 1.2 −75.0	746.8 1.2 −75.0	748.0 1.2 −75.0	749.2 1.3 −75.0
8....	750.5 1.2 −75.0	751.7 1.3 −74.9	753.0 1.3 −74.9	754.3 1.2 −74.9	755.5 1.3 −74.8	756.8 1.3 −74.8	758.1 1.3 −74.8	759.4 1.3 −74.8	760.7 1.4 −74.8	762.1 1.3 −74.8
9....	763.4 1.4 −74.7	764.8 1.3 −74.7	766.1 1.4 −74.7	767.5 1.4 −74.7	768.9 1.4 −74.7	770.3 1.4 −74.6	771.7 1.4 −74.6	773.1 1.5 −74.6	774.6 1.4 −74.6	776.0 1.4 −74.5
10....	777.4 1.5 −74.5	778.9 1.5 −74.5	780.4 1.4 −74.5	781.8 1.5 −74.4	783.3 1.5 −74.4	784.8 1.6 74.4	786.4 1.5 −74.4	787.9 1.5 −74.4	789.4 1.5 −74.4	790.9 1.6 −74.3
11....	792.5 1.5 −74.3	794.0 1.6 −74.3	795.6 1.6 −74.3	797.2 1.6 −74.3	798.8 1.6 −74.2	800.4 1.7 −74.2	802.1 1.6 −74.2	803.7 1.6 −74.2	805.3 1.7 −74.2	807.0 1.6 −74.2
12....	808.6 1.7 −74.2	810.3 1.7 −74.2	812.0 1.6 −74.2	813.6 1.7 −74.1	815.3 1.8 −74.1	817.1 1.7 −74.1	818.8 1.7 −74.1	820.5 1.7 −74.1	822.2 1.7 −74.0	823.9 1.8 −74.0
13....	825.7 1.8 −74.0	827.5 1.8 −74.0	829.3 1.8 −74.0	831.1 1.7 −73.9	832.8 1.8 −73.9	834.6 1.9 −73.9	836.5 1.8 −73.9	838.3 1.8 −73.9	840.1 1.9 −73.8	842.0 1.8 −73.8

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 26.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
14....	843.8 1.9 −73.8	845.7 1.8 −73.8	847.5 1.9 −73.8	849.4 1.9 −73.8	851.3 1.9 −73.7	853.2 1.9 −73.7	855.1 1.9 −73.7	857.0 2.0 −73.7	859.0 1.9 −73.7	860.9 1.9 −73.7
15....	862.8 2.0 −73.6	864.8 2.0 −73.6	866.8 1.9 −73.6	868.7 2.0 −73.6	870.7 2.1 −73.6	872.8 2.0 −73.6	874.8 2.0 −73.6	876.8 2.0 −73.6	878.8 2.0 −73.6	880.8 2.0 −73.5
16....	882.8 2.1 −73.5	884.9 2.1 −73.5	887.0 2.1 −73.5	889.1 2.0 −73.5	891.1 2.1 −73.4	893.2 2.1 −73.4	895.3 2.1 −73.4	897.4 2.1 −73.4	899.5 2.1 −73.4	901.6 2.2 −73.4
17....	903.8 2.2 −73.4	906.0 2.1 −73.4	908.1 2.2 −73.4	910.3 2.1 −73.4	912.4 2.2 −73.3	914.6 2.2 −73.3	916.8 2.2 −73.3	919.0 2.2 −73.3	921.2 2.2 −73.3	923.4 2.3 −73.3
18....	925.7 2.2 −73.3	927.9 2.2 −73.2	930.1 2.3 −73.2	932.4 2.3 −73.2	934.7 2.2 −73.2	936.9 2.3 −73.2	939.2 2.3 −73.2	941.5 2.3 −73.1	943.8 2.3 −73.1	946.1 2.3 −73.1
19....	948.4 2.3 −73.1	950.7 2.4 −73.1	953.1 2.3 −73.1	955.4 2.4 −73.1	957.8 2.3 −73.1	960.1 2.4 −73.1	962.5 2.4 −73.1	964.9 2.3 −73.1	967.2 2.4 −73.0	969.6 2.4 −73.0
20....	972.0 2.5 −73.0	974.5 2.4 −73.0	976.9 2.4 −73.0	979.3 2.4 −73.0	981.7 2.5 −72.9	984.2 2.4 −72.9	986.6 2.5 −72.9	989.1 2.5 −72.9	991.6 2.5 −72.9	994.1 2.5 −72.9
21....	996.6 2.5 −72.9	999.1 2.5 −72.9	1001.6 2.5 −72.9	1004.1 2.5 −72.9	1006.6 2.6 −72.9	1009.2 2.5 −72.9	1011.7 2.6 −72.8	1014.3 2.5 −72.8	1016.8 2.6 −72.8	1019.4 2.6 −72.8

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 26.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22....	1022.0 2.6 −72.8	1024.6 2.6 −72.8	1027.2 2.5 −72.8	1029.7 2.6 −72.7	1032.3 2.6 −72.7	1034.9 2.6 −72.7	1037.5 2.7 −72.7	1040.2 2.7 −72.7	1042.9 2.6 −72.7	1045.5 2.7 −72.7
23....	1048.2 2.7 −72.7	1050.9 2.6 −72.7	1053.5 2.7 −72.6	1056.2 2.7 −72.6	1058.9 2.7 −72.6	1061.6 2.8 −72.6	1064.4 2.7 −72.6	1067.1 2.7 −72.6	1069.8 2.7 −72.6	1072.5 2.8 −72.6
24....	1075.3 2.7 −72.6	1078.0 2.8 −72.6	1080.8 2.8 −72.6	1083.6 2.7 −72.6	1086.3 2.8 −72.5	1089.1 2.8 −72.5	1091.9 2.8 −72.5	1094.7 2.8 −72.5	1097.5 2.8 −72.5	1100.3 2.9 −72.5
25....	1103.2 2.8 −72.5	1106.0 2.9 −72.5	1108.9 2.8 −72.5	1111.7 2.9 −72.5	1114.6 2.9 −72.5	1117.5 2.9 −72.5	1120.4 2.9 −72.5	1123.3 2.9 −72.5	1126.2 2.9 −72.5	1129.1 2.9 −72.5
26....	1132.0 2.9 −72.5	1134.9 2.9 −72.4	1137.8 3.0 −72.4	1140.8 2.9 −72.4	1143.7 2.9 −72.4	1146.6 3.0 −72.4	1149.6 3.0 −72.4	1152.6 3.0 −72.4	1155.6 3.0 −72.4	1158.6 3.0 −72.4
27....	1161.6 3.0 −72.4	1164.6 3.0 −72.4	1167.6 3.0 −72.4	1170.6 3.0 −72.4	1173.6 3.0 −72.4	1176.6 3.1 −72.3	1179.7 3.0 −72.3	1182.7 3.1 −72.3	1185.8 3.1 −72.3	1188.9 3.1 −72.3
28....	1192.0 3.1 −72.3	1195.1 3.1 −72.3	1198.2 3.0 −72.3	1201.2 3.1 −72.3	1204.3 3.2 −72.3	1207.5 3.1 −72.3	1210.6 3.1 −72.3	1213.7 3.2 −72.3	1216.9 3.2 −72.3	1221.1 3.1 −72.3
29....	1223.2 3.1 −72.2	1226.3 3.2 −72.2	1229.5 3.2 −72.2	1232.7 3.2 −72.2	1235.9 3.1 −72.2	1239.0 3.2 −72.2	1242.2 3.2 −72.2	1245.4 3.2 −72.2	1248.6 3.3 −72.2	1251.9 3.3 −72.2

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 26.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
30--	1255.21 3.25 -72.20	1258.46 3.26 -72.20	1261.72 3.26 -72.19	1264.98 3.27 -72.19	1268.25 3.28 -72.18	1271.53 3.29 -72.18	1274.82 3.29 -72.17	1278.11 3.30 -72.17	1281.41 3.31 -72.16	1284.73 3.32 -72.16
31--	1288.04 3.33 -72.16	1291.37 3.34 -72.15	1294.71 3.34 -72.15	1298.05 3.35 -72.14	1301.40 3.36 -72.14	1304.76 3.37 -72.14	1308.13 3.38 -72.13	1311.50 3.38 -72.13	1314.89 3.39 -72.12	1318.28 3.40 -72.12
32--	1321.68 3.41 -72.12	1325.08 3.42 -72.11	1328.50 3.42 -72.11	1331.92 3.43 72.11	1335.35 3.44 -72.10	1338.79 3.45 -72.10	1342.24 3.46 -72.10	1345.70 3.46 -72.09	1349.16 3.47 -72.09	1352.63 3.48 -72.09
33--	1356.11 3.49 -72.08	1359.60 3.50 -72.08	1363.09 3.50 -72.08	1366.59 3.51 -72.07	1370.10 3.52 -72.07	1373.62 3.53 -72.07	1377.15 3.53 -72.06	1380.69 3.54 -72.06	1384.23 3.55 -72.06	1387.78 3.56 -72.06
34--	1391.34 3.57 -72.05	1394.90 3.57 -72.05	1398.48 3.58 -72.05	1402.06 3.59 -72.05	1405.65 3.60 -72.04	1409.25 3.61 -72.04	1412.86 3.61 -72.04	1416.47 3.62 -72.04	1420.09 3.63 -72.03	1423.72 3.64 -72.03
35--	1427.36 3.65 -72.03	1431.01 3.65 -72.03	1434.66 3.66 -72.03	1438.32 3.67 -72.02	1441.99 3.68 -72.02	1445.67 3.69 -72.02	1449.36 3.69 -72.02	1453.05 3.70 -72.02	1456.75 3.71 -72.01	1460.46 3.72 -72.01

TABLE 2 —$10^5 \Delta_{s,t}$ FOR SALINITY 27.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
−1	610.8 −0.1 −77.2	610.7 −0.1 −77.3	610.6 −0.1 −77.3	610.5 −0.1 −77.4	610.4 0.0 −77.4	610.4 −0.1 −77.4	610.3 0.0 −77.4	610.3 0.0 −77.5	610.3 0.0 −77.5	610.3 0.0 −77.6
−0	612.7 −0.2 −76.9	612.5 −0.3 −77.0	612.2 −0.2 −77.0	612.0 −0.2 −77.1	611.8 −0.2 −77.1	611.6 −0.2 −77.1	611.4 −0.2 −77.1	611.2 −0.1 −77.1	611.1 −0.2 −77.2	610.9 −0.1 −77.2
+0	612.7 0.3 −76.9	613.0 0.3 −76.9	613.3 0.3 −76.9	613.6 0.3 −76.8	613.9 0.3 −76.8	614.2 0.4 −76.7	614.6 0.4 −76.7	615.0 0.3 −76.7	615.3 0.4 −76.6	615.7 0.4 −76.6
1	616.1 0.4 −76.6	616.5 0.4 −76.6	616.9 0.5 −76.6	617.4 0.4 −76.6	617.8 0.5 −76.5	618.3 0.5 −76.5	618.8 0.5 −76.5	619.3 0.5 −76.4	619.8 0.5 −76.4	620.3 0.5 −76.3
2	620.8 0.6 −76.3	621.4 0.6 −76.3	622.0 0.5 −76.3	622.5 0.6 −76.2	623.1 0.6 −76.2	623.7 0.6 −76.2	624.3 0.6 −76.1	624.9 0.7 −76.1	625.6 0.6 −76.1	626.2 0.7 −76.0
3	626.9 0.7 −76.0	627.6 0.7 −76.0	628.3 0.7 −76.0	629.0 0.7 −76.0	629.7 0.7 −76.0	630.4 0.8 −75.9	631.2 0.7 −75.9	631.9 0.8 −75.9	632.7 0.8 −75.9	633.5 0.8 −75.9
4	634.3 0.8 −75.8	635.1 0.8 −75.8	635.9 0.8 −75.8	636.7 0.8 −75.7	637.5 0.9 −75.7	638.4 0.9 −75.7	639.3 0.8 −75.7	640.1 0.9 −75.6	641.0 0.9 −75.6	641.9 0.9 −75.6
5	642.8 0.9 −75.5	643.7 0.9 −75.5	644.6 1.0 −75.5	645.6 0.9 −75.5	646.5 1.0 −75.4	647.5 1.0 −75.4	648.5 1.0 −75.4	649.5 1.0 −75.4	650.5 1.0 −75.3	651.5 1.1 −75.3

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 27.00— Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
6	652.6 1.0 −75.3	653.6 1.0 −75.3	654.6 1.1 −75.2	655.7 1.1 −75.2	656.8 1.1 −75.2	657.9 1.1 −75.2	659.0 1.1 −75.2	660.1 1.1 −75.1	661.2 1.1 −75.1	662.3 1.1 −75.1
7	663.5 1.2 −75.1	664.7 1.2 −75.0	665.9 1.1 −75.0	667.0 1.2 −75.0	668.2 1.2 −75.0	669.4 1.2 −75.0	670.6 1.2 −74.9	671.8 1.2 −74.9	673.0 1.2 −74.9	674.2 1.3 −74.8
8	675.5 1.3 −74.8	676.8 1.3 −74.8	678.1 1.3 −74.8	679.4 1.3 −74.8	680.7 1.3 −74.8	682.0 1.3 −74.7	683.3 1.3 −74.7	684.6 1.3 −74.7	685.9 1.4 −74.7	687.3 1.4 −74.7
9	688.7 1.4 −74.7	690.1 1.3 −74.7	691.4 1.4 −74.6	692.8 1.4 −74.6	694.2 1.5 −74.6	695.7 1.4 −74.6	697.1 1.4 −74.5	698.5 1.5 −74.5	700.0 1.5 −74.5	701.5 1.4 −74.5
10	702.9 1.5 −74.4	704.4 1.5 −74.4	705.9 1.5 −74.4	707.4 1.5 −74.4	708.9 1.5 −74.4	710.4 1.6 −74.3	712.0 1.5 −74.3	713.5 1.5 −74.3	715.0 1.6 −74.3	716.6 1.6 −74.3
11	718.2 1.5 −74.3	719.7 1.6 −74.2	721.3 1.6 −74.2	722.9 1.7 −74.2	724.6 1.6 −74.2	726.2 1.7 −74.2	727.9 1.6 −74.2	729.5 1.6 −74.2	731.1 1.7 −74.1	732.8 1.6 −74.1
12	734.4 1.7 −74.0	736.1 1.7 −74.0	737.8 1.7 −74.0	739.5 1.7 −74.0	741.2 1.8 −74.0	743.0 1.7 −74.0	744.7 1.7 −74.0	746.4 1.8 −73.9	748.2 1.7 −73.9	749.9 1.8 −73.9
13	751.7 1.8 −73.9	753.5 1.8 −73.9	755.3 1.8 −73.8	757.1 1.8 −73.8	758.9 1.8 −73.8	760.7 1.9 −73.8	762.6 1.8 −73.8	764.4 1.9 −73.8	766.3 1.9 −73.8	768.2 1.8 −73.8

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 27.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
14----	770.0 1.9 −73.7	771.9 1.8 −73.7	773.7 1.9 −73.7	775.6 2.0 −73.7	777.6 1.9 −73.7	779.5 1.9 −73.7	781.4 1.9 −73.6	783.3 2.0 −73.6	785.3 1.9 −73.6	787.2 2.0 −73.6
15----	789.2 2.0 −73.6	701.2 2.0 −73.6	793.2 1.9 −73.6	795.1 2.0 −73.5	797.1 2.1 −73.5	799.2 2.0 −73.5	801.2 2.0 −73.5	803.2 2.0 −73.5	805.2 2.1 −73.4	807.3 2.0 −73.4
16----	809.3 2.1 −73.4	811.4 2.1 −73.4	813.5 2.1 −73.4	815.6 2.1 −73.4	817.7 2.1 −73.4	819.8 2.1 −73.4	821.9 2.1 −73.3	824.0 2.1 −73.3	826.1 2.1 −73.3	828.2 2.2 −73.3
17----	830.4 2.2 −73.3	832.6 2.1 −73.3	834.7 2.2 −73.2	836.9 2.2 −73.2	839.1 2.2 −73.2	841.3 2.2 −73.2	843.5 2.2 −73.2	845.7 2.2 −73.2	847.9 2.2 −73.2	850.1 2.3 −73.1
18----	852.4 2.3 −73.1	854.7 2.2 −73.1	856.9 2.3 −73.1	859.2 2.3 −73.1	861.5 2.2 −73.1	863.7 2.3 −73.1	866.0 2.4 −73.1	868.4 2.3 −73.1	870.7 2.3 −73.1	873.0 2.3 −73.1
19----	875.3 2.3 −73.0	877.6 2.4 −73.0	880.0 2.3 −73.0	882.3 2.4 −73.0	884.7 2.3 −73.0	887.0 2.4 −72.9	889.4 2.4 −72.9	891.8 2.4 −72.9	894.2 2.4 −72.9	896.6 2.4 −72.9
20---	899.0 2.5 −72.9	901.5 2.4 −72.9	903.9 2.4 −72.9	906.3 2.5 −72.9	908.8 2.5 −72.9	911.3 2.4 −72.9	913.7 2.5 −72.8	916.2 2.5 −72.8	918.7 2.5 −72.8	921.2 2.5 −72.8
21----	923.7 2.5 −72.8	926.2 2.5 −72.8	928.7 2.5 −72.8	931.2 2.5 −72.8	933.7 2.6 −72.7	936.3 2.6 −72.7	938.9 2.6 −72.7	941.5 2.5 −72.7	944.0 2.6 −72.7	946.6 2.6 −72.7

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 27.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22....	949.2 2.6 −72.7	951.8 2.6 −72.7	954.4 2.6 −72.7	957.0 2.6 −72.7	959.6 2.6 −72.7	962.2 2.6 −72.6	964.8 2.7 −72.6	967.5 2.7 −72.6	970.2 2.6 −72.6	972.8 2.7 −72.6
23....	975.5 2.7 −72.6	978.2 2.7 −72.6	980.9 2.7 −72.6	983.6 2.7 −72.6	986.3 2.7 −72.6	989.0 2.8 −72.6	991.8 2.7 −72.6	994.5 2.7 −72.6	997.2 2.7 −72.5	999.9 2.8 −72.5
24....	1002.7 2.7 −72.5	1005.4 2.8 −72.5	1008.2 2.8 −72.5	1011.0 2.8 −72.5	1013.8 2.8 −72.5	1016.6 2.8 −72.5	1019.4 2.8 −72.5	1022.2 2.8 −72.5	1025.0 2.8 −72.4	1027.8 2.9 −72.4
25....	1030.7 2.8 −72.4	1033.5 2.9 −72.4	1036.4 2.8 −72.4	1039.2 2.9 −72.4	1042.1 2.9 −72.4	1045.0 2.9 −72.4	1047.9 2.9 −72.4	1050.8 2.9 −72.4	1053.7 2.9 −72.4	1056.6 2.9 −72.4
26....	1059.5 3.0 −72.4	1062.5 2.9 −72.4	1065.4 3.0 −72.4	1068.4 2.9 −72.4	1071.3 2.9 −72.3	1074.2 3.0 −72.3	1077.2 3.0 −72.3	1080.2 3.0 −72.3	1083.2 3.0 −72.3	1086.2 3.0 −72.3
27....	1089.2 3.0 −72.3	1092.2 3.0 −72.3	1095.2 3.0 −72.3	1098.2 3.0 −72.3	1101.2 3.1 −72.3	1104.3 3.1 −72.3	1107.4 3.0 −72.3	1110.4 3.1 −72.3	1113.5 3.1 −72.3	1116.6 3.1 −72.3
28....	1119.7 3.1 −72.2	1122.8 3.1 −72.2	1125.9 3.0 −72.2	1128.9 3.1 −72.2	1132.0 3.2 −72.2	1135.2 3.1 −72.2	1138.3 3.1 −72.2	1141.4 3.2 −72.2	1144.6 3.2 −72.2	1147.8 3.2 −72.2
29....	1151.0 3.1 −72.2	1154.1 3.2 −72.2	1157.3 3.2 −72.2	1160.5 3.2 −72.2	1163.7 3.1 −72.2	1166.8 3.2 −72.1	1170.0 3.2 −72.1	1173.2 3.2 −72.1	1176.4 3.3 −72.1	1179.7 3.3 −72.1

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 27.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
30--	1183.01 3.25 -72.14	1186.26 3.26 -72.13	1189.52 3.27 -72.13	1192.79 3.28 -72.13	1196.07 3.28 -72.12	1199.35 3.29 -72.12	1202.64 3.30 -72.11	1205.94 3.31 -72.11	1209.25 3.32 -72.10	1212.57 3.32 -72.10
31--	1215.89 3.33 -72.10	1219.22 3.34 -72.09	1222.56 3.35 -72.09	1225.91 3.36 -72.08	1229.26 3.36 -72.08	1232.62 3.37 -72.08	1236.00 3.38 -72.07	1239.38 3.39 -72.07	1242.76 3.40 -72.07	1246.16 3.40 -72.06
32--	1249.56 3.41 -72.06	1252.97 3.42 -72.06	1256.39 3.43 -72.05	1259.82 3.43 -72.05	1263.25 3.44 -72.05	1266.69 3.45 -72.04	1270.14 3.46 -72.04	1273.60 3.47 -72.04	1277.07 3.47 -72.03	1280.54 3.48 -72.03
33--	1284.03 3.49 -72.03	1287.52 3.50 -72.02	1291.01 3.51 -72.02	1294.52 3.51 -72.02	1298.03 3.52 -72.02	1301.56 3.53 -72.01	1305.09 3.54 -72.01	1308.62 3.55 -72.01	1312.17 3.55 -72.01	1315.72 3.56 -72.00
34--	1319.28 3.57 -72.00	1322.85 3.58 -72.00	1326.43 3.59 -72.00	1330.02 3.59 -71.99	1333.61 3.60 -71.99	1337.21 3.61 -71.99	1340.82 3.62 -71.99	1344.44 3.62 -71.99	1348.06 3.63 -71.98	1351.69 3.64 -71.98
35--	1355.33 3.65 -71.98	1358.98 3.66 -71.98	1362.64 3.66 -71.98	1366.30 3.67 -71.97	1369.97 3.68 -71.97	1373.65 3.69 -71.97	1377.34 3.70 -71.97	1381.04 3.70 -71.97	1384.74 3.71 -71.97	1388.45 3.72 -71.96

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 28.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
−1	533.6 −0.2 −77.2	533.4 −0.1 −77.2	533.3 −0.2 −77.3	533.1 −0.1 −77.3	533.0 0.0 −77.3	533.0 −0.1 −77.4	532.9 −0.1 −77.5	532.8 0.0 −77.5	532.8 −0.1 −77.5	532.7 −0.1 −77.5
−0	535.8 −0.3 −76.8	535.5 −0.3 −76.9	535.2 −0.3 −76.9	534.9 −0.2 −76.9	534.7 −0.2 −76.9	534.5 −0.2 −77.0	534.3 −0.2 −77.1	534.1 −0.2 −77.1	533.9 −0.2 −77.1	533.7 −0.1 −77.1
+0	535.8 0.3 −76.8	536.1 0.3 −76.8	536.4 0.4 −76.8	536.8 0.3 −76.8	537.1 0.4 −76.7	537.5 0.4 −76.7	537.9 0.4 −76.7	538.3 0.4 −76.7	538.7 0.4 −76.7	539.1 0.4 −76.6
1	539.5 0.4 −76.5	539.9 0.4 −76.5	540.3 0.5 −76.4	540.8 0.5 −76.4	541.3 0.5 −76.4	541.8 0.5 −76.4	542.3 0.6 −76.4	542.9 0.5 −76.4	543.4 0.6 −76.3	544.0 0.5 −76.3
2	544.5 0.6 −76.2	545.1 0.6 −76.2	545.7 0.6 −76.2	546.3 0.6 −76.2	546.9 0.6 −76.2	547.5 0.7 −76.1	548.2 0.6 −76.1	548.8 0.7 −76.0	549.5 0.7 −76.0	550.2 0.7 −76.0
3	550.9 0.7 −76.0	551.6 0.7 −76.0	552.3 0.7 −76.0	553.0 0.8 −75.9	553.8 0.7 −75.9	554.5 0.8 −75.9	555.3 0.7 −75.9	556.0 0.8 −75.8	556.8 0.8 −75.7	557.6 0.9 −75.7
4	558.5 0.8 −75.7	559.3 0.8 −75.7	560.1 0.9 −75.7	561.0 0.8 −75.7	561.8 0.9 −75.6	562.7 0.9 −75.6	563.6 0.9 −75.6	564.5 0.9 −75.6	565.4 0.9 −75.5	566.3 1.0 −75.5
5	567.3 0.9 −75.5	568.2 0.9 −75.4	569.1 1.0 −75.4	570.1 1.0 −75.4	571.1 1.0 −75.3	572.1 1.0 −75.3	573.1 1.0 −75.3	574.1 1.1 −75.3	575.2 1.0 −75.3	576.2 1.1 −75.3

TABLE 2 —$10^5\Delta_{s,\phi}$ FOR SALINITY 28.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
6	577.3 1.0 −75.3	578.3 1.1 −75.2	579.4 1.1 −75.2	580.5 1.1 −75.2	581.6 1.1 −75.2	582.7 1.1 −75.1	583.8 1.2 −75.1	585.0 1.1 −75.1	586.1 1.1 −75.1	587.2 1.2 −75.0
7	588.4 1.2 −75.0	589.6 1.2 −75.0	590.8 1.2 −75.0	592.0 1.2 −75.0	593.2 1.2 −75.0	594.4 1.3 −74.9	595.7 1.2 −74.9	596.9 1.2 −74.9	598.1 1.3 −74.8	599.4 1.3 −74.8
8	600.7 1.3 −74.8	602.0 1.3 −74.8	603.3 1.3 −74.8	604.6 1.3 −74.8	605.9 1.4 −74.7	607.3 1.3 −74.7	608.6 1.3 −74.7	609.9 1.3 −74.6	611.2 1.4 −74.5	612.6 1.4 −74.5
9	614.0 1.4 −74.5	615.4 1.4 −74.5	616.8 1.4 −74.5	618.2 1.4 −74.5	619.6 1.5 −74.4	621.1 1.5 −74.4	622.6 1.4 −74.4	624.0 1.5 −74.4	625.5 1.5 −74.4	627.0 1.5 −74.4
10	628.5 1.5 −74.4	630.0 1.5 −74.4	631.5 1.5 −74.3	633.0 1.5 −74.3	634.5 1.6 −74.3	636.1 1.6 −74.3	637.7 1.5 −74.3	639.2 1.5 −74.3	640.7 1.6 −74.2	642.3 1.6 −74.2
11	643.9 1.6 −74.2	645.5 1.6 −74.2	647.1 1.6 −74.1	648.7 1.7 −74.1	650.4 1.6 −74.1	652.0 1.7 −74.1	653.7 1.6 −74.1	655.3 1.7 −74.0	657.0 1.7 −74.0	658.7 1.7 −74.0
12	660.4 1.7 −74.0	662.1 1.7 −74.0	663.8 1.7 −73.9	665.5 1.7 −73.9	667.2 1.8 −73.9	669.0 1.7 −73.9	670.7 1.8 −73.9	672.5 1.8 −73.9	674.3 1.7 −73.9	676.0 1.8 −73.8
13	677.8 1.8 −73.8	679.6 1.8 −73.8	681.4 1.9 −73.8	683.3 1.8 −73.8	685.1 1.8 −73.8	686.9 1.9 −73.8	688.8 1.8 −73.8	690.6 1.9 −73.7	692.5 1.9 −73.7	694.4 1.9 −73.7

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 28.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
14....	696.3 1.9 −73.7	698.2 1.8 −73.7	700.0 1.9 −73.6	701.9 2.0 −73.6	703.9 1.9 −73.6	705.8 2.0 −73.6	707.8 1.9 −73.6	709.7 2.0 −73.6	711.7 1.9 −73.6	713.6 2.0 −73.5
15....	715.6 2.0 −73.5	717.6 2.0 −73.5	719.6 2.0 −73.5	721.6 2.0 −73.4	723.6 2.1 −73.4	725.7 2.0 −73.4	727.7 2.0 −73.4	729.7 2.1 −73.4	731.8 2.1 −73.4	733.9 2.0 −73.4
16....	735.9 2.1 −73.3	738.0 2.1 −73.3	740.1 2.1 −73.3	742.2 2.1 −73.3	744.3 2.1 −73.3	746.4 2.2 −73.3	748.6 2.1 −73.3	750.7 2.1 −73.3	752.8 2.1 −73.2	755.9 2.2 −73.2
17....	757.1 2.2 −73.2	759.3 2.2 −73.2	761.5 2.2 −73.2	763.7 2.2 −73.2	765.9 2.2 −73.2	768.1 2.2 −73.2	770.3 2.2 −73.2	772.5 2.2 −73.1	774.7 2.3 −73.1	777.0 2.3 −73.1
18....	779.3 2.3 −73.1	781.6 2.2 −73.1	783.8 2.3 −73.1	786.1 2.3 −73.1	788.4 2.2 −73.1	790.6 2.3 −73.0	792.9 2.4 −73.0	795.3 2.3 −73.0	797.6 2.3 −73.0	799.9 2.4 −73.0
19....	802.3 2.3 −73.0	804.6 2.4 −73.0	807.0 2.3 −73.0	809.3 2.4 −72.9	811.7 2.4 −72.9	814.1 2.4 −72.9	816.5 2.4 −72.9	818.9 2.4 −72.9	821.3 2.4 −72.9	823.7 2.4 −72.8
20....	826.1 2.5 −72.8	828.6 2.4 −72.8	831.0 2.4 −72.8	833.4 2.5 −72.8	835.9 2.5 −72.8	838.4 2.5 −72.8	840.9 2.5 −72.8	843.4 2.5 −72.8	845.9 2.5 −72.8	848.4 2.5 −72.8
21....	850.9 2.5 −72.8	853.4 2.5 −72.8	855.9 2.5 −72.7	858.4 2.6 −72.7	861.0 2.6 −72.7	863.6 2.6 −72.7	866.2 2.6 −72.7	868.8 2.5 −72.7	871.3 2.6 −72.7	873.9 2.6 −72.7

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 28.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22....	876.5 2.6 −72.7	879.1 2.6 −72.7	881.7 2.6 −72.7	884.3 2.6 −72.6	886.9 2.7 −72.6	889.6 2.6 −72.6	892.2 2.7 −72.6	894.9 2.7 −72.6	897.6 2.6 −72.6	900.2 2.7 −72.5
23....	902.9 2.7 −72.5	905.6 2.7 −72.5	908.3 2.7 −72.5	911.0 2.7 −72.5	913.7 2.7 −72.5	916.4 2.8 −72.5	919.2 2.7 −72.5	921.9 2.8 −72.5	924.7 2.7 −72.5	927.4 2.8 −72.5
24....	930.2 2.7 −72.5	932.9 2.8 −72.4	935.7 2.8 −72.4	938.5 2.8 −72.4	941.3 2.8 −72.4	944.1 2.8 −72.4	946.9 2.8 −72.4	949.7 2.9 −72.4	952.6 2.8 −72.4	955.4 2.9 −72.4
25....	958.3 2.8 −72.4	961.1 2.9 −72.4	964.0 2.8 −72.4	966.8 2.9 −72.3	969.7 2.9 −72.3	972.6 2.9 −72.3	975.5 2.9 −72.3	978.4 2.9 −72.3	981.3 2.9 −72.3	984.2 2.9 −72.3
26....	987.1 3.0 −72.3	990.1 2.9 −72.3	993.0 3.0 −72.3	996.0 3.0 −72.3	999.0 2.9 −72.3	1001.9 3.0 −72.3	1004.9 3.0 −72.3	1007.9 3.0 −72.3	1010.9 3.0 −72.3	1013.9 3.0 −72.3
27....	1016.9 3.0 −72.3	1019.9 3.0 −72.2	1022.9 3.0 −72.2	1025.9 3.0 −72.2	1028.9 3.1 −72.2	1032.0 3.1 −72.2	1035.1 3.0 −72.2	1038.1 3.1 −72.2	1041.2 3.1 −72.2	1044.3 3.2 −72.2
28....	1047.5 3.1 −72.2	1050.6 3.1 −72.2	1053.7 3.0 −72.2	1056.7 3.1 −72.1	1059.8 3.2 −72.1	1063.0 3.1 −72.1	1066.1 3.1 −72.1	1069.2 3.2 −72.1	1072.4 3.2 −72.1	1075.6 3.2 −72.1
29....	1078.8 3.1 −72.1	1081.9 3.2 −72.1	1085.1 3.2 −72.1	1088.3 3.2 −72.1	1091.5 3.2 −72.1	1094.7 3.2 −72.1	1097.9 3.2 −72.1	1101.1 3.2 −72.1	1104.3 3.3 −72.1	1107.6 3.3 −72.1

TABLE 2 - $10^5 \Delta_{st}$ FOR SALINITY 28.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
30--	1110.87 3.26 -72.08	1114.13 3.26 -72.08	1117.39 3.27 -72.07	1120.67 3.28 -72.07	1123.95 3.29 -72.06	1127.23 3.30 -72.06	1130.53 3.30 -72.06	1133.83 3.31 -72.05	1137.15 3.32 -72.05	1140.46 3.33 -72.04
31--	1143.79 3.34 -72.04	1147.13 3.34 -72.04	1150.47 3.35 -72.03	1153.82 3.36 -72.03	1157.18 3.37 -72.03	1160.55 3.38 -72.02	1163.92 3.38 -72.02	1167.31 3.39 -72.01	1170.70 3.40 -72.01	1174.10 3.41 -72.01
32--	1177.50 3.41 -72.01	1180.92 3.42 -72.00	1184.34 3.43 -72.00	1187.77 3.44 -72.00	1191.21 3.45 -71.99	1194.65 3.45 -71.99	1198.11 3.46 -71.99	1201.57 3.47 -71.98	1205.04 3.48 -71.98	1208.51 3.49 -71.98
33--	1212.00 3.49 -71.98	1215.49 3.50 -71.97	1218.99 3.51 -71.97	1222.50 3.52 -71.97	1226.02 3.52 -71.97	1229.54 3.53 -71.96	1233.08 3.54 -71.96	1236.62 3.55 -71.96	1240.16 3.56 -71.96	1243.72 3.56 -71.95
34--	1247.28 3.57 -71.95	1250.85 3.58 -71.95	1254.43 3.59 -71.95	1258.02 3.60 -71.95	1261.62 3.60 -71.94	1265.22 3.61 -71.94	1268.83 3.62 -71.94	1272.45 3.63 -71.94	1276.08 3.63 -71.94	1279.71 3.64 -71.93
35--	1283.35 3.65 -71.93	1287.00 3.66 -71.93	1290.66 3.67 -71.93	1294.33 3.67 -71.93	1298.00 3.68 -71.93	1301.68 3.69 -71.93	1305.37 3.70 -71.92	1309.07 3.71 -71.92	1312.77 3.71 -71.92	1316.49 3.72 -71.92

TABLE 2 —$10^{5}\Delta_{s,t}$ FOR SALINITY 29.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
−1	456.4 −0.2 −77.0	456.2 −0.2 −77.0	456.0 −0.2 −77.0	455.8 −0.1 −77.0	455.7 −0.1 −77.0	455.6 −0.2 −77.1	455.4 −0.1 −77.1	455.3 0.0 −77.1	455.3 −0.1 −77.2	455.2 0.0 −77.2
−0	459.0 −0.4 −76.7	458.6 −0.3 −76.7	458.3 −0.3 −76.7	458.0 −0.2 −76.7	457.8 −0.3 −76.8	457.5 −0.3 −76.8	457.2 −0.2 −76.8	457.0 −0.2 −76.9	456.8 −0.2 −76.9	456.6 −0.2 −77.0
+0	459.0 0.3 −76.7	459.3 0.3 −76.7	459.6 0.4 −76.6	460.0 0.4 −76.6	460.4 0.4 −76.6	460.8 0.4 −76.6	461.2 0.4 −76.5	461.6 0.4 −76.5	462.0 0.5 −76.4	462.5 0.5 −76.4
1	463.0 0.4 −76.4	463.4 0.5 −76.4	463.9 0.5 −76.4	464.4 0.5 −76.3	464.9 0.5 −76.3	465.4 0.5 −76.2	465.9 0.6 −76.2	466.5 0.6 −76.2	467.1 0.6 −76.2	467.7 0.6 −76.2
2	468.3 0.6 −76.2	468.9 0.6 −76.2	469.5 0.6 −76.1	470.1 0.6 −76.1	470.7 0.7 −76.0	471.4 0.7 −76.0	472.1 0.7 −76.0	472.8 0.7 −76.0	473.5 0.7 −76.0	474.2 0.7 −76.0
3	474.9 0.7 −75.9	475.6 0.7 −75.9	476.3 0.8 −75.8	477.1 0.8 −75.8	477.9 0.7 −75.8	478.6 0.8 −75.7	479.4 0.8 −75.7	480.2 0.9 −75.7	481.1 0.8 −75.7	481.9 0.9 −75.7
4	482.8 0.8 −75.7	483.6 0.8 −75.6	484.4 0.9 −75.5	485.3 0.9 −75.5	486.2 0.9 −75.5	487.1 0.9 −75.5	488.0 0.9 −75.5	488.9 1.0 −75.4	489.9 0.9 −75.4	490.8 1.0 −75.4
5	491.8 1.0 −75.4	492.8 0.9 −75.4	493.7 1.0 −75.3	494.7 1.1 −75.3	495.8 1.0 −75.3	496.8 1.0 −75.3	497.8 1.0 −75.2	498.8 1.1 −75.2	499.9 1.0 −75.2	500.9 1.1 −75.1

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 29.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
6----	502.0 1.1 −75.1	503.1 1.1 −75.1	504.2 1.1 −75.1	505.3 1.1 −75.1	506.4 1.2 −75.0	507.6 1.1 −75.0	508.7 1.2 −75.0	509.9 1.1 −75.0	511.0 1.2 −74.9	512.2 1.2 −74.9
7----	513.4 1.2 −74.9	514.6 1.2 −74.9	515.8 1.2 −74.8	517.0 1.2 −74.8	518.2 1.3 −74.8	519.5 1.3 −74.8	520.8 1.2 −74.8	522.0 1.3 −74.7	523.3 1.3 −74.7	524.6 1.3 −74.7
8----	525.9 1.3 −74.7	527.2 1.3 −74.7	528.5 1.3 −74.6	529.8 1.4 −74.6	531.2 1.4 −74.6	532.6 1.3 −74.6	533.9 1.4 −74.5	535.3 1.4 −74.5	536.7 1.4 −74.5	538.1 1.4 −74.5
9----	539.5 1.4 −74.5	540.9 1.4 −74.5	542.3 1.4 −74.4	543.7 1.5 −74.4	545.2 1.5 −74.4	546.7 1.5 −74.4	548.2 1.4 −74.4	549.6 1.5 −74.3	551.1 1.5 −74.3	552.6 1.5 −74.3
10----	554.1 1.5 −74.3	555.6 1.6 −74.3	557.2 1.5 −74.3	558.7 1.5 −74.3	560.2 1.6 −74.2	561.8 1.6 −74.2	563.4 1.5 −74.2	564.9 1.6 −74.1	566.5 1.6 −74.1	568.1 1.6 −74.1
11----	569.7 1.6 −74.1	571.3 1.7 −74.1	573.0 1.6 −74.1	574.6 1.7 −74.0	576.3 1.6 −74.0	577.9 1.7 −74.0	579.6 1.7 −74.0	481.3 1.7 −74.0	583.0 1.7 −74.0	584.7 1.7 −74.0
12----	586.4 1.7 −74.0	588.1 1.8 −73.9	589.9 1.7 −73.9	591.6 1.7 −73.9	593.3 1.8 −73.8	595.1 1.7 −73.8	596.8 1.8 −73.8	598.6 1.8 −73.8	600.4 1.8 −73.8	602.2 1.8 −73.7
13----	604.0 1.8 −73.7	605.8 1.8 −73.7	607.6 1.9 −73.7	609.5 1.8 −73.7	611.3 1.8 −73.6	613.1 1.9 −73.6	615.0 1.9 −73.6	616.9 1.9 −73.6	618.8 1.9 −73.6	620.7 1.9 −73.6

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 29.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
14	622.6 1.9 −73.6	624.5 1.9 −73.6	626.4 1.9 −73.5	628.3 2.0 −73.5	630.3 1.9 −73.5	632.2 2.0 −73.5	634.2 1.9 −73.5	636.1 2.0 −73.4	638.1 2.0 −73.4	640.1 2.0 −73.4
15	642.1 2.0 −73.4	644.1 2.0 −73.4	646.1 2.1 −73.4	648.2 2.0 −73.4	650.2 2.1 −73.4	652.3 2.0 −73.4	654.3 2.0 −73.4	656.3 2.1 −73.3	658.4 2.1 −73.3	660.5 2.1 −73.3
16	662.6 2.1 −73.3	664.7 2.1 −73.3	666.8 2.1 −73.3	668.9 2.1 −73.2	671.0 2.1 −73.2	673.1 2.2 −73.2	675.3 2.1 −73.2	677.4 2.2 −73.2	679.6 2.1 −73.2	681.7 2.2 −73.1
17	683.9 2.2 −73.1	686.1 2.2 −73.1	688.3 2.2 −73.1	690.5 2.2 −73.1	692.7 2.2 −73.1	694.9 2.2 −73.0	697.1 2.3 −73.0	699.4 2.2 −73.0	701.6 2.3 −73.0	703.9 2.3 −73.0
18	706.2 2.3 −73.0	708.5 2.2 −73.0	710.7 2.3 −72.9	713.0 2.3 −72.9	715.3 2.3 −72.9	717.6 2.3 −72.9	719.9 2.4 −72.9	722.3 2.3 −72.9	724.6 2.3 −72.9	726.9 2.4 −72.9
19	729.3 2.3 −72.9	731.6 2.4 −72.8	734.0 2.4 −72.8	736.4 2.4 −72.8	738.8 2.4 −72.8	741.2 2.4 −72.8	743.6 2.4 −72.8	746.0 2.4 −72.8	748.4 2.5 −72.8	750.9 2.4 −72.8
20	753.3 2.5 −72.8	755.8 2.4 −72.8	758.2 2.4 −72.8	760.6 2.5 −72.7	763.1 2.5 −72.7	765.6 2.5 −72.7	768.1 2.5 −72.7	770.6 2.5 −72.7	773.1 2.5 −72.7	775.6 2.5 −72.6
21	778.1 2.5 −72.6	780.6 2.6 −72.6	783.2 2.5 −72.6	785.7 2.6 −72.6	788.3 2.6 −72.6	790.9 2.6 −72.6	793.5 2.6 −72.6	796.1 2.5 −72.6	798.6 2.6 −72.5	801.2 2.6 −72.5

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 29.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22	803.8 2.6 −72.5	806.4 2.6 −72.5	809.0 2.7 −72.5	811.7 2.6 −72.5	814.3 2.7 −72.5	817.0 2.6 −72.5	819.6 2.7 −72.5	822.3 2.7 −72.5	825.0 2.7 −72.5	827.7 2.7 −72.5
23	830.4 2.7 −72.5	833.1 2.7 −72.5	835.8 2.7 −72.5	838.5 2.7 −72.5	841.2 2.7 −72.4	843.9 2.8 −72.4	846.7 2.7 −72.4	849.4 2.8 −72.4	852.2 2.7 −72.4	854.9 2.8 −72.4
24	857.7 2.8 −72.4	860.5 2.8 −72.4	863.3 2.8 −72.4	866.1 2.8 −72.4	868.9 2.8 −72.4	871.7 2.8 −72.4	874.5 2.8 −72.3	877.3 2.9 −72.3	880.2 2.8 −72.3	883.0 2.9 −72.3
25	885.9 2.8 −72.3	888.7 2.9 −72.3	891.6 2.9 −72.3	894.5 2.9 −72.3	897.4 2.9 −72.3	900.3 2.9 −72.3	903.2 2.9 −72.3	906.1 2.9 −72.3	909.0 2.9 −72.2	911.9 2.9 −72.2
26	914.8 3.0 −72.2	917.8 2.9 −72.2	920.7 3.0 −72.2	923.7 3.0 −72.2	926.7 2.9 −72.2	929.6 3.0 −72.2	932.6 3.0 −72.2	935.6 3.0 −72.2	938.6 3.0 −72.2	941.6 3.0 −72.2
27	944.6 3.1 −72.2	947.7 3.0 −72.2	950.7 3.0 −72.1	953.7 3.0 −72.1	956.7 3.1 −72.1	959.8 3.1 −72.1	962.9 3.0 −72.1	965.9 3.1 −72.1	969.0 3.1 −72.1	972.1 3.2 −72.1
28	975.3 3.1 −72.1	978.4 3.1 −72.1	981.5 3.1 −72.1	984.6 3.1 −72.1	987.7 3.2 −72.1	990.9 3.1 −72.1	994.0 3.1 −72.1	997.1 3.2 −72.1	1000.3 3.2 −72.1	1003.5 3.2 −72.1
29	1006.7 3.1 −72.1	1009.8 3.2 −72.1	1013.0 3.2 −72.1	1016.0 3.2 −72.1	1019.4 3.2 −72.1	1022.6 3.2 −72.1	1025.8 3.2 −72.0	1029.0 3.2 −72.0	1032.2 3.3 −72.0	1035.5 3.3 −72.0

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 29.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
30--	1038.79 3.26 -72.03	1042.05 3.27 -72.02	1045.32 3.28 -72.02	1048.60 3.28 -72.01	1051.88 3.29 -72.01	1055.17 3.30 -72.01	1058.47 3.31 -72.00	1061.78 3.32 -72.00	1065.10 3.32 -71.99	1068.42 3.33 -71.99
31--	1071.75 3.34 -71.99	1075.09 3.35 -71.98	1078.44 3.35 -71.98	1081.79 3.36 -71.98	1085.16 3.37 -71.97	1088.53 3.38 -71.97	1091.90 3.39 -71.97	1095.29 3.39 -71.96	1098.68 3.40 -71.96	1102.09 3.41 -71.96
32--	1105.50 3.42 -71.95	1108.91 3.43 -71.95	1112.34 3.43 -71.95	1115.77 3.44 -71.95	1119.21 3.45 -71.94	1122.66 3.46 -71.94	1126.12 3.46 -71.94	1129.58 3.47 -71.94	1133.06 3.48 -71.93	1136.54 3.49 -71.93
33--	1140.02 3.50 -71.93	1143.52 3.50 -71.93	1147.02 3.51 -71.92	1150.53 3.52 -71.92	1154.05 3.53 -71.92	1157.58 3.53 -71.92	1161.11 3.54 -71.91	1164.66 3.55 -71.91	1168.21 3.56 -71.91	1171.77 3.57 -71.91
34--	1175.33 3.57 -71.91	1178.91 3.58 -71.90	1182.49 3.59 -71.90	1186.08 3.60 -71.90	1189.67 3.60 -71.90	1193.28 3.61 -71.90	1196.89 3.62 -71.90	1200.51 3.63 -71.89	1204.14 3.64 -71.89	1207.78 3.64 -71.89
35--	1211.42 3.65 -71.89	1215.07 3.66 -71.89	1218.73 3.67 -71.89	1222.40 3.68 -71.89	1226.07 3.68 -71.89	1229.76 3.69 -71.88	1233.45 3.70 -71.88	1237.15 3.71 -71.88	1240.85 3.71 -71.88	1244.57 3.72 -71.88

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 30.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
−1...	379.4 −0.2 −77.0	379.2 −0.2 −77.0	379.0 −0.2 −77.0	378.8 −0.1 −77.0	378.7 −0.2 −77.1	378.5 −0.2 −77.1	378.3 −0.1 −77.1	378.2 −0.1 −77.1	378.1 −0.1 −77.2	378.0 −0.1 −77.2
−0...	382.3 −0.4 −76.7	381.9 −0.3 −76.7	381.6 −0.3 −76.7	381.3 −0.3 −76.7	381.0 −0.3 −76.8	380.7 −0.3 −76.8	380.4 −0.3 −76.8	380.1 −0.2 −76.8	379.9 −0.3 −76.9	379.6 −0.2 −76.9
+0...	382.3 0.3 −76.7	382.6 0.4 −76.6	383.0 0.4 −76.6	383.4 0.4 −76.5	383.8 0.4 −76.5	384.2 0.5 −76.5	384.7 0.4 −76.5	385.1 0.5 −76.4	385.6 0.5 −76.4	386.1 0.5 −76.4
1....	386.6 0.4 −76.4	387.0 0.5 −76.3	387.5 0.6 −76.3	388.1 0.5 −76.3	388.6 0.6 −76.2	389.2 0.5 −76.2	389.7 0.6 −76.1	390.3 0.6 −76.1	390.9 0.6 −76.1	391.5 0.6 −76.1
2....	392.1 0.6 −76.0	392.7 0.7 −76.0	393.4 0.6 −76.0	394.0 0.7 −75.9	394.7 0.7 −75.9	395.4 0.7 −75.9	396.1 0.7 −75.9	396.8 0.7 −75.9	397.5 0.7 −75.8	398.2 0.8 −75.8
3....	399.0 0.7 −75.8	399.7 0.8 −75.7	400.5 0.8 −75.7	401.3 0.8 −75.7	402.1 0.8 −75.7	402.9 0.8 −75.7	403.7 0.8 −75.6	404.5 0.9 −75.6	405.4 0.8 −75.6	406.2 0.9 −75.5
4....	407.1 0.9 −75.5	408.0 0.9 −75.5	408.9 0.9 −75.5	409.8 0.9 −75.5	410.7 0.9 −75.4	411.6 0.9 −75.4	412.5 1.0 −75.4	413.5 1.0 −75.4	414.5 0.9 −75.4	415.4 1.0 −75.3
5....	416.4 1.0 −75.3	417.4 1.0 −75.3	418.4 1.0 −75.2	419.4 1.1 −75.2	420.5 1.0 −75.2	421.5 1.1 −75.2	422.6 1.0 −75.2	423.6 1.1 −75.1	424.7 1.1 −75.1	425.8 1.1 −75.1

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 30.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
6....	426.9 1.1 −75.1	428.0 1.1 −75.0	429.1 1.1 −75.0	430.2 1.2 −75.0	431.4 1.2 −75.0	432.6 1.1 −75.0	433.7 1.2 −74.9	434.9 1.2 −74.9	436.1 1.2 −74.9	437.3 1.2 −74.9
7....	438.5 1.2 −74.8	439.7 1.3 −74.8	441.0 1.2 −74.8	442.2 1.2 −74.8	443.4 1.3 −74.7	444.7 1.3 −74.7	446.0 1.3 −74.7	447.3 1.3 −74.7	448.6 1.3 −74.7	449.9 1.3 −74.6
8....	451.2 1.3 −74.6	452.5 1.4 −74.6	453.9 1.3 −74.6	455.2 1.4 −74.5	456.6 1.4 −74.5	458.0 1.4 −74.5	459.4 1.4 −74.5	460.8 1.4 −74.5	462.2 1.4 −74.5	463.6 1.4 −74.5
9....	465.0 1.4 −74.4	466.4 1.5 −74.4	467.9 1.4 −74.4	469.3 1.5 −74.3	470.8 1.5 −74.3	472.3 1.5 −74.3	473.8 1.5 −74.3	475.3 1.5 −74.3	476.8 1.5 −74.3	478.3 1.5 −74.2
10....	479.8 1.5 −74.2	481.3 1.6 −74.2	482.9 1.5 −74.2	484.4 1.6 −74.1	486.0 1.6 −74.1	487.6 1.6 −74.1	489.2 1.6 −74.1	490.8 1.6 −74.1	492.4 1.6 −74.1	494.0 1.6 −74.0
11....	495.6 1.6 −74.0	497.2 1.7 −74.0	498.9 1.7 −74.0	500.6 1.7 −74.0	502.3 1.6 −74.0	503.9 1.7 −73.9	505.6 1.7 −73.9	507.3 1.7 −73.9	509.0 1.7 −73.9	510.7 1.7 −73.8
12....	512.4 1.8 −73.8	514.2 1.8 −73.8	516.0 1.7 −73.8	517.7 1.8 −73.8	519.5 1.8 −73.8	521.3 1.7 −73.8	523.0 1.8 −73.7	524.8 1.8 −73.7	526.6 1.9 −73.7	528.5 1.8 −73.7
13....	530.3 1.8 −73.7	532.1 1.8 −73.6	533.9 1.9 −73.6	535.8 1.9 −73.6	537.7 1.8 −73.6	539.5 1.9 −73.6	541.4 1.9 −73.6	543.3 1.9 −73.6	545.2 1.9 −73.6	547.1 1.9 −73.6

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 30.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
14....	549.0 1.9 −73.5	550.9 2.0 −73.5	552.9 1.9 −73.5	554.8 2.0 −73.5	556.8 1.9 −73.5	558.7 2.0 −73.4	560.7 2.0 −73.4	562.7 2.0 −73.4	564.7 2.0 −73.4	566.7 2.0 −73.4
15....	568.7 2.0 −73.4	570.7 2.0 −73.3	572.7 2.1 −73.3	574.8 2.0 −73.3	576.8 2.1 −73.3	578.9 2.0 −73.3	580.9 2.1 −73.2	583.0 2.1 −73.2	585.1 2.1 −73.2	587.2 2.1 −73.2
16....	589.3 2.1 −73.2	591.4 2.1 −73.2	593.5 2.2 −73.2	595.7 2.1 −73.2	597.8 2.1 −73.2	599.9 2.2 −73.1	602.1 2.1 −73.1	604.2 2.2 −73.1	606.4 2.2 −73.1	608.6 2.2 −73.1
17....	610.8 2.2 −73.1	613.0 2.2 −73.1	615.2 2.2 −73.1	617.4 2.2 −73.0	619.6 2.3 −73.0	621.9 2.2 −73.0	624.1 2.3 −73.0	626.4 2.2 −73.0	628.6 2.3 −73.0	630.9 2.3 −73.0
18....	633.2 2.3 −73.0	635.5 2.3 −73.0	637.8 2.3 −73.0	640.1 2.3 −73.0	642.4 2.3 −73.0	644.7 2.3 −72.9	647.0 2.4 −72.9	649.4 2.3 −72.9	651.7 2.3 −72.9	654.0 2.4 −72.8
19....	656.4 2.4 −72.8	658.8 2.4 −72.8	661.2 2.4 −72.8	663.6 2.4 −72.8	666.0 2.4 −72.8	668.4 2.4 −72.8	670.8 2.4 −72.8	673.2 2.4 −72.7	675.6 2.5 −72.7	678.1 2.4 −72.7
20....	680.5 2.5 −72.7	683.0 2.4 −72.7	685.4 2.5 −72.7	687.9 2.5 −72.7	690.4 2.5 −72.7	692.9 2.5 −72.7	695.4 2.5 −72.7	697.9 2.5 −72.6	700.4 2.6 −72.6	703.0 2.5 −72.6
21....	705.5 2.5 −72.6	708.0 2.6 −72.6	710.6 2.5 −72.6	713.1 2.6 −72.6	715.7 2.6 −72.6	718.3 2.6 −72.6	720.9 2.6 −72.6	723.5 2.6 −72.6	726.1 2.6 −72.6	728.7 2.6 −72.6

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 30.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22----	731.3 2.6 −72.6	733.9 2.6 −72.5	736.5 2.7 −72.5	739.2 2.6 −72.5	741.8 2.7 −72.5	744.5 2.6 −72.5	747.1 2.7 −72.4	749.8 2.7 −72.4	752.5 2.7 −72.4	755.2 2.7 −72.4
23----	757.9 2.7 −72.4	760.6 2.7 −72.4	763.3 2.7 −72.4	766.0 2.8 −72.4	768.8 2.7 −72.4	771.5 2.8 −72.4	774.3 2.7 −72.4	777.0 2.8 −72.4	779.8 2.7 −72.4	782.5 2.8 −72.3
24----	785.3 2.8 −72.3	788.1 2.8 −72.3	790.9 2.8 −72.3	793.7 2.8 −72.3	796.5 2.8 −72.3	799.3 2.9 −72.3	802.2 2.8 −72.3	805.0 2.9 −72.3	807.9 2.8 −72.3	810.7 2.9 −72.3
25----	813.6 2.8 −72.3	816.4 2.9 −72.2	819.3 2.9 −72.2	822.2 2.9 −72.2	825.1 2.9 −72.2	828.0 2.9 −72.2	830.9 2.9 −72.2	833.8 3.0 −72.2	836.8 2.9 −72.2	839.7 2.9 −72.2
26----	842.6 3.0 −72.2	845.6 2.9 −72.2	848.5 3.0 −72.2	851.5 3.0 −72.2	854.5 2.9 −72.2	857.4 3.0 −72.1	860.4 3.0 −72.1	863.4 3.0 −72.1	866.4 3.0 −72.1	869.4 3.0 −72.1
27----	872.4 3.1 −72.1	875.5 3.1 −72.1	878.6 3.0 −72.1	881.6 3.0 −72.1	884.6 3.1 −72.1	887.7 3.1 −72.1	890.8 3.0 −72.1	893.8 3.1 −72.1	896.9 3.1 −72.1	900.0 3.2 −72.1
28----	903.2 3.1 −72.1	906.3 3.1 −72.1	909.4 3.1 −72.1	912.5 3.1 −72.1	915.6 3.2 −72.1	918.8 3.1 −72.1	921.9 3.1 −72.1	925.0 3.2 −72.0	928.2 3.2 −72.0	931.4 3.2 −72.0
29----	934.6 3.1 −72.0	937.7 3.2 −72.0	940.9 3.2 −72.0	944.1 3.2 −72.0	947.3 3.2 −72.0	950.5 3.3 −72.0	953.8 3.2 −72.0	957.0 3.2 −72.0	960.2 3.3 −72.0	963.5 3.3 −72.0

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 30.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
30---	966.77 3.26 -71.98	970.03 3.27 -71.97	973.30 3.28 -71.97	976.58 3.29 -71.96	979.87 3.30 -71.96	983.17 3.30 -71.96	986.47 3.31 -71.95	989.78 3.32 -71.95	993.10 3.33 -71.95	996.43 3.33 -71.94
31---	999.76 3.34 -71.94	1003.11 3.35 -71.94	1006.46 3.36 -71.93	1009.82 3.37 -71.93	1013.18 3.37 -71.93	1016.56 3.38 -71.92	1019.94 3.39 -71.92	1023.33 3.40 -71.92	1026.72 3.41 -71.91	1030.13 3.41 -71.91
32---	1033.54 3.42 -71.91	1036.96 3.43 -71.91	1040.39 3.44 -71.90	1043.83 3.44 -71.90	1047.27 3.45 -71.90	1050.72 3.46 -71.89	1054.18 3.47 -71.89	1057.65 3.47 -71.89	1061.12 3.48 -71.89	1064.61 3.49 -71.89
33---	1068.10 3.50 -71.88	1071.59 3.51 -71.88	1075.10 3.51 -71.88	1078.61 3.52 -71.88	1082.13 3.53 -71.87	1085.66 3.54 -71.87	1089.20 3.54 -71.87	1092.75 3.55 -71.87	1096.30 3.56 -71.87	1099.86 3.57 -71.87
34---	1103.43 3.58 -71.86	1107.00 3.58 -71.86	1110.58 3.59 -71.86	1114.18 3.60 -71.86	1117.77 3.61 -71.86	1121.38 3.61 -71.86	1124.99 3.62 -71.86	1128.62 3.63 -71.85	1132.25 3.64 -71.85	1135.88 3.65 -71.85
35---	1139.53 3.65 -71.85	1143.18 3.66 -71.85	1146.84 3.67 -71.85	1150.51 3.68 -71.85	1154.19 3.68 -71.85	1157.87 3.69 -71.85	1161.56 3.70 -71.85	1165.26 3.71 -71.85	1168.97 3.72 -71.85	1172.68 3.72 -71.84

TABLE 2 —$10^8\Delta_{s,t}$ FOR SALINITY 31.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
−1...	302.4 −0.2 −76.8	302.2 −0.2 −76.9	302.0 −0.2 −76.9	301.8 −0.2 −77.0	301.6 −0.2 −77.0	301.4 −0.2 −77.0	301.2 −0.1 −77.0	301.1 −0.2 −77.1	300.9 −0.1 −77.1	300.8 −0.1 −77.1
−0...	305.6 −0.4 −76.5	305.2 −0.3 −76.5	304.9 −0.3 −76.6	304.6 −0.4 −76.7	304.2 −0.3 −76.7	303.9 −0.3 −76.7	303.6 −0.3 −76.8	303.3 −0.3 −76.8	303.0 −0.3 −76.8	302.7 −0.3 −76.8
+0...	305.6 0.4 −76.5	306.0 0.4 −76.5	306.4 0.5 −76.5	306.9 0.4 −76.5	307.3 0.4 −76.4	307.7 0.5 −76.3	308.2 0.5 −76.3	308.7 0.5 −76.3	309.2 0.5 −76.3	309.7 0.5 −76.3
1....	310.2 0.5 −76.3	310.7 0.5 −76.2	311.2 0.6 −76.2	311.8 0.6 −76.2	312.4 0.6 −76.2	313.0 0.6 −76.2	313.6 0.6 −76.1	314.2 0.6 −76.1	314.8 0.6 −76.1	315.4 0.7 −76.0
2....	316.1 0.6 −76.0	316.7 0.7 −75.9	317.4 0.7 −75.9	318.1 0.7 −75.9	318.8 0.7 −75.9	319.5 0.7 −75.9	320.2 0.7 −75.9	320.9 0.8 −75.8	321.7 0.7 −75.8	322.4 0.8 −75.7
3....	323.2 0.8 −75.7	324.0 0.8 −75.7	324.8 0.8 −75.7	325.6 0.8 −75.7	326.4 0.8 −75.6	327.2 0.9 −75.6	328.1 0.8 −75.6	328.9 0.9 −75.5	329.8 0.9 −75.5	330.7 0.9 −75.5
4....	331.6 0.9 −75.5	332.5 0.9 −75.5	333.4 0.9 −75.5	334.3 1.0 −75.4	335.3 0.9 −75.4	336.2 0.9 −75.4	337.1 1.0 −75.3	338.1 1.0 −75.3	339.1 1.0 −75.3	340.1 1.0 −75.2
5....	341.1 1.0 −75.2	342.1 1.1 −75.2	343.2 1.0 −75.2	344.2 1.1 −75.2	345.3 1.0 −75.2	346.3 1.1 −75.1	347.4 1.1 −75.1	348.5 1.1 −75.1	349.6 1.1 −75.1	350.7 1.1 −75.0

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 31.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
6....	351.8 1.2 −75.0	353.0 1.1 −75.0	354.1 1.1 −74.9	355.2 1.2 −74.9	356.4 1.2 −74.9	357.6 1.2 −74.9	358.8 1.2 −74.8	360.0 1.2 −74.8	361.2 1.2 −74.8	362.4 1.3 −74.8
7....	363.7 1.2 −74.8	364.9 1.3 −74.7	366.2 1.2 −74.7	367.4 1.3 −74.7	368.7 1.3 −74.7	370.0 1.3 −74.7	371.3 1.3 −74.6	372.6 1.3 −74.6	373.9 1.4 −74.6	375.3 1.3 −74.6
8....	376.6 1.3 −74.6	377.9 1.4 −74.5	379.3 1.4 −74.5	380.7 1.4 −74.5	382.1 1.4 −74.5	383.5 1.4 −74.5	384.9 1.4 −74.5	386.3 1.4 −74.4	387.7 1.4 −74.4	389.1 1.5 −74.3
9....	390.6 1.4 −74.3	392.0 1.5 −74.3	393.5 1.5 −74.3	395.0 1.5 −74.3	396.5 1.5 −74.3	398.0 1.5 −74.3	399.5 1.5 −74.3	401.0 1.5 −74.2	402.5 1.6 −74.2	404.1 1.5 −74.2
10....	405.6 1.5 −74.2	407.1 1.6 −74.1	408.7 1.6 −74.1	410.3 1.6 −74.1	411.9 1.6 −74.1	413.5 1.6 −74.1	415.1 1.6 −74.0	416.7 1.6 −74.0	418.3 1.7 −74.0	420.0 1.6 −74.0
11....	421.6 1.6 −73.9	423.2 1.7 −73.9	424.9 1.7 −73.9	426.6 1.7 −73.9	428.3 1.7 −73.9	430.0 1.7 −73.9	431.7 1.7 −73.8	433.4 1.7 −73.8	435.1 1.8 −73.8	436.9 1.7 −73.8
12....	438.6 1.8 −73.8	440.4 1.8 −73.8	442.2 1.7 −73.8	443.9 1.8 −73.7	445.7 1.8 −73.7	447.5 1.8 −73.7	449.3 1.8 −73.7	451.1 1.8 −73.7	452.9 1.9 −73.6	454.8 1.8 −73.6
13....	456.6 1.8 −73.6	458.4 1.9 −73.6	460.3 1.9 −73.6	462.2 1.9 −73.6	464.1 1.8 −73.6	465.9 1.9 −73.5	467.8 1.9 −73.5	469.7 1.9 −73.5	471.6 1.9 −73.4	473.5 2.0 −73.4

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 31.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
14....	475.5 1.9 −73.4	477.4 2.0 −73.4	479.4 1.9 −73.4	481.3 2.0 −73.4	483.3 2.0 −73.4	485.3 2.0 −73.4	487.3 2.0 −73.4	489.3 2.0 −73.3	491.3 2.0 −73.3	493.3 2.0 −73.3
15....	495.3 2.1 −73.3	497.4 2.0 −73.3	499.4 2.1 −73.3	501.5 2.0 −73.3	503.5 2.1 −73.2	505.6 2.1 −73.2	507.7 2.1 −73.2	509.8 2.1 −73.2	511.9 2.1 −73.2	514.0 2.1 −73.2
16....	516.1 2.1 −73.2	518.2 2.1 −73.1	520.3 2.2 −73.1	522.5 2.1 −73.1	524.6 2.2 −73.1	526.8 2.2 −73.1	529.0 2.2 −73.1	531.1 2.2 −73.0	533.3 2.2 −73.0	535.5 2.2 −73.0
17....	537.7 2.2 −73.0	539.9 2.2 −73.0	542.1 2.3 −73.0	544.4 2.2 −73.0	546.6 2.3 −73.0	548.9 2.2 −73.0	551.1 2.3 −72.9	553.4 2.2 −72.9	555.6 2.3 −72.9	557.9 2.3 −72.9
18....	560.2 2.3 −72.9	562.5 2.3 −72.8	564.8 2.3 −72.8	567.1 2.3 −72.8	569.4 2.4 −72.8	571.8 2.3 −72.8	574.1 2.4 −72.8	576.5 2.3 −72.8	578.8 2.4 −72.8	581.2 2.4 −72.8
19....	583.6 2.4 −72.8	586.0 2.4 −72.8	588.4 2.4 −72.8	590.8 2.4 −72.7	593.2 2.4 −72.7	595.6 2.4 −72.7	598.0 2.5 −72.7	600.5 2.4 −72.7	602.9 2.5 −72.7	605.4 2.4 −72.7
20....	607.8 2.5 −72.7	610.3 2.4 −72.7	612.7 2.5 −72.6	615.2 2.5 −72.6	617.7 2.5 −72.6	620.2 2.5 −72.6	622.7 2.6 −72.6	625.3 2.5 −72.6	627.8 2.6 −72.6	630.4 2.5 −72.6
21....	632.9 2.5 −72.6	635.4 2.6 −72.5	638.0 2.5 −72.5	640.5 2.6 −72.5	643.1 2.6 −72.5	645.7 2.6 −72.5	648.3 2.6 −72.5	650.9 2.6 −72.5	653.5 2.6 −72.4	656.1 2.6 −72.4

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 31.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22	658.7 2.7 −72.4	661.4 2.6 −72.4	664.0 2.7 −72.4	666.7 2.6 −72.4	669.3 2.7 −72.4	672.0 2.7 −72.4	674.7 2.7 −72.4	677.4 2.7 −72.4	680.1 2.7 −72.4	682.8 2.7 −72.4
23	685.5 2.7 −72.4	688.2 2.7 −72.3	690.9 2.7 −72.3	693.6 2.8 −72.3	696.4 2.7 −72.3	699.1 2.8 −72.3	701.9 2.7 −72.3	704.6 2.8 −72.3	707.4 2.8 −72.3	710.2 2.8 −72.3
24	713.0 2.8 −72.3	715.8 2.8 −72.3	718.6 2.8 −72.3	721.4 2.8 −72.2	724.2 2.8 −72.2	727.0 2.9 −72.2	729.9 2.8 −72.2	732.7 2.9 −72.2	735.6 2.8 −72.2	738.4 2.9 −72.2
25	741.3 2.9 −72.2	744.2 2.9 −72.2	747.1 2.9 −72.2	750.0 2.9 −72.2	752.9 2.9 −72.2	755.8 2.9 −72.2	758.7 2.9 −72.2	761.6 3.0 −72.2	764.6 2.9 −72.2	767.5 2.9 −72.2
26	770.4 3.0 −72.1	773.4 2.9 −72.1	776.3 3.0 −72.1	779.3 3.0 −72.1	782.3 3.0 −72.1	785.3 3.0 −72.1	788.3 3.0 −72.1	791.3 3.0 −72.1	794.3 3.0 −72.1	797.3 3.0 −72.1
27	800.3 3.1 −72.1	803.4 3.1 −72.1	806.5 3.0 −72.1	809.5 3.0 −72.1	812.5 3.1 −72.0	815.6 3.1 −72.0	818.7 3.0 −72.0	821.7 3.1 −72.0	824.8 3.1 −72.0	827.9 3.2 −72.0
28	831.1 3.1 −72.0	834.2 3.1 −72.0	837.3 3.1 −72.0	840.4 3.1 −72.0	843.5 3.2 −72.0	846.7 3.1 −72.0	849.8 3.2 −72.0	853.0 3.2 −72.0	856.2 3.2 −72.0	859.4 3.2 −72.0
29	862.6 3.1 −72.0	865.7 3.2 −71.9	868.9 3.2 −71.9	872.1 3.2 −71.9	875.3 3.2 −71.9	878.5 3.3 −71.9	881.8 3.2 −71.9	885.0 3.2 −71.9	888.2 3.3 −71.9	891.5 3.3 −71.9

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 31.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
30---	894.79 3.27 -71.93	898.06 3.28 -71.92	901.34 3.28 -71.92	904.62 3.29 -71.92	907.91 3.30 -71.91	911.21 3.31 -71.91	914.52 3.32 -71.91	917.83 3.32 -71.90	921.16 3.33 -71.90	924.49 3.34 -71.90
31---	927.83 3.35 -71.89	931.17 3.35 -71.89	934.53 3.36 -71.89	937.89 3.37 -71.88	941.26 3.38 -71.88	944.63 3.38 -71.88	948.02 3.39 -71.88	951.41 3.40 -71.87	954.81 3.41 -71.87	958.22 3.42 -71.87
32---	961.63 3.42 -71.86	965.06 3.43 -71.86	968.49 3.44 -71.86	971.93 3.45 -71.86	975.37 3.45 -71.86	978.83 3.46 -71.85	982.29 3.47 -71.85	985.76 3.48 -71.85	989.24 3.48 -71.85	992.72 3.49 -71.84
33---	996.21 3.50 -71.84	999.71 3.51 -71.84	1003.22 3.52 -71.84	1006.74 3.52 -71.84	1010.26 3.53 -71.84	1013.79 3.54 -71.83	1017.33 3.55 -71.83	1020.88 3.55 -71.83	1024.43 3.56 -71.83	1027.99 3.57 -71.83
34---	1031.56 3.58 -71.83	1035.14 3.58 -71.83	1038.72 3.59 -71.82	1042.32 3.60 -71.82	1045.92 3.61 -71.82	1049.52 3.62 -71.82	1053.14 3.62 -71.82	1056.76 3.63 -71.82	1060.39 3.64 -71.82	1064.03 3.65 -71.82
35---	1067.68 3.65 -71.82	1071.33 3.66 -71.82	1074.99 3.67 -71.81	1078.66 3.68 -71.81	1082.34 3.68 -71.81	1086.02 3.69 -71.81	1089.72 3.70 -71.81	1093.42 3.71 -71.81	1097.12 3.72 -71.81	1100.84 3.72 -71.81

TABLE 2 —$10^5 \Delta_{s,t}$ FOR SALINITY 32.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
−1	225.6 −0.3 −76.7	225.3 −0.2 −76.7	225.1 −0.3 −76.8	224.8 −0.2 −76.8	224.6 −0.2 −76.8	224.4 −0.2 −76.9	224.2 −0.2 −76.9	224.0 −0.2 −76.9	223.8 −0.1 −76.9	223.7 −0.1 −77.0
−0	229.1 −0.4 −76.5	228.7 −0.4 −76.5	228.3 −0.4 −76.5	227.9 −0.4 −76.5	227.5 −0.3 −76.5	227.2 −0.4 −76.6	226.8 −0.3 −76.6	226.5 −0.3 −76.6	226.2 −0.3 −76.7	225.9 −0.3 −76.7
+0	229.1 0.4 −76.5	229.5 0.4 −76.4	229.9 0.5 −76.3	230.4 0.5 −76.3	230.9 0.5 −76.3	231.4 0.5 −76.3	231.9 0.5 −76.3	232.4 0.5 −76.3	232.9 0.5 −76.3	233.4 0.5 −76.2
1	233.9 0.6 −76.1	234.5 0.5 −76.1	235.0 0.6 −76.1	235.6 0.6 −76.1	236.2 0.6 −76.0	236.8 0.7 −76.0	237.5 0.6 −76.0	238.1 0.6 −76.0	238.7 0.7 −75.9	239.4 0.7 −75.9
2	240.1 0.7 −75.9	240.8 0.7 −75.9	241.5 0.7 −75.9	242.2 0.7 −75.9	242.9 0.7 −75.8	243.6 0.7 −75.7	244.3 0.8 −75.7	245.1 0.8 −75.7	245.9 0.8 −75.7	246.7 0.8 −75.7
3	247.5 0.8 −75.7	248.3 0.8 −75.6	249.1 0.8 −75.6	249.9 0.9 −75.5	250.8 0.8 −75.5	251.6 0.9 −75.5	252.5 0.9 −75.5	253.4 0.9 −75.5	254.3 0.9 −75.4	255.2 0.9 −75.4
4	256.1 0.9 −75.4	257.0 0.9 −75.3	257.9 1.0 −75.3	258.9 1.0 −75.3	259.9 0.9 −75.3	260.8 1.0 −75.2	261.8 1.0 −75.2	262.8 1.0 −75.2	263.8 1.1 −75.2	264.9 1.0 −75.2
5	265.9 1.0 −75.1	266.9 1.1 −75.1	268.0 1.0 −75.1	269.0 1.1 −75.0	270.1 1.1 −75.0	271.2 1.1 −75.0	272.3 1.1 −75.0	273.4 1.1 −74.9	274.5 1.2 −74.9	275.7 1.1 −74.9

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 32.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
6----	276.8 1.2 −74.9	278.0 1.2 −74.9	279.2 1.1 −74.9	280.3 1.2 −74.8	281.5 1.2 −74.8	282.7 1.3 −74.8	284.0 1.2 −74.8	285.2 1.2 −74.8	286.4 1.2 −74.7	287.6 1.3 −74.7
7----	288.9 1.3 −74.7	290.2 1.3 −74.7	291.5 1.2 −74.7	292.7 1.3 −74.6	294.0 1.3 −74.6	295.3 1.4 −74.6	296.7 1.3 −74.6	298.0 1.3 −74.5	299.3 1.4 −74.5	300.7 1.3 −74.5
8----	302.0 1.4 −74.4	303.4 1.4 −74.4	304.8 1.4 −74.4	306.2 1.4 −74.4	307.6 1.4 −74.4	309.0 1.4 −74.4	310.4 1.5 −74.3	311.9 1.4 −74.3	313.3 1.5 −74.3	314.8 1.5 −74.3
9----	316.3 1.4 −74.3	317.7 1.5 −74.2	319.2 1.5 −74.2	320.7 1.5 −74.2	322.2 1.5 −74.2	323.7 1.5 −74.2	325.2 1.6 −74.1	326.8 1.5 −74.1	328.3 1.6 −74.1	329.9 1.5 −74.1
10----	331.4 1.6 −74.0	333.0 1.6 −74.0	334.6 1.6 −74.0	336.2 1.6 −74.0	337.8 1.6 −74.0	339.4 1.7 −74.0	341.1 1.6 −74.0	342.7 1.6 −74.0	344.3 1.7 −73.9	346.0 1.7 −73.9
11----	347.7 1.6 −73.9	349.3 1.7 −73.8	351.0 1.7 −73.8	352.7 1.7 −73.8	354.4 1.7 −73.8	356.1 1.8 −73.8	357.9 1.7 −73.8	359.6 1.7 −73.8	361.3 1.8 −73.7	363.1 1.7 −73.7
12----	364.8 1.8 −73.7	366.6 1.8 −73.7	368.4 1.8 −73.7	370.2 1.8 −73.7	372.0 1.8 −73.7	373.8 1.8 −73.6	375.6 1.8 −73.6	377.4 1.9 −73.6	379.3 1.9 −73.6	381.2 1.8 −73.6
13----	383.0 1.8 −73.6	384.8 1.9 −73.5	386.7 1.9 −73.5	388.6 1.9 −73.5	390.5 1.9 −73.5	392.4 1.9 −73.5	394.3 1.9 −73.4	396.2 2.0 −73.4	398.2 1.9 −73.4	400.1 2.0 −73.4

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 32.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
14....	402.1 1.9 −73.4	404.0 2.0 −73.4	406.0 1.9 −73.4	407.9 2.0 −73.3	409.9 2.0 −73.3	411.9 2.0 −73.3	413.9 2.1 −73.3	416.0 2.0 −73.3	418.0 2.0 −73.3	420.0 2.0 −73.2
15....	422.0 2.1 −73.2	424.1 2.0 −73.2	426.1 2.1 −73.2	428.2 2.1 −73.2	430.3 2.1 −73.2	432.4 2.1 −73.2	434.5 2.1 −73.2	436.6 2.1 −73.1	438.7 2.1 −73.1	440.8 2.1 −73.1
16....	442.9 2.2 −73.1	445.1 2.1 −73.1	447.2 2.2 −73.1	449.4 2.1 −73.1	451.5 2.2 −73.0	453.7 2.2 −73.0	455.9 2.2 −73.0	458.1 2.2 −73.0	460.3 2.2 −73.0	462.5 2.2 −73.0
17....	464.7 2.2 −73.0	66.9 2.2 −72.9	469.1 2.3 −72.9	471.4 2.2 −72.9	473.6 2.3 −72.9	475.9 2.3 −72.9	478.2 2.3 −72.9	480.5 2.2 −72.9	482.7 2.3 −72.8	485.0 2.3 −72.8
18....	487.3 2.4 −72.8	489.7 2.3 −72.8	492.0 2.3 −72.8	494.3 2.3 −72.8	496.6 2.4 −72.8	499.0 2.3 −72.8	501.3 2.4 −72.7	503.7 2.3 −72.7	506.0 2.4 −72.7	508.4 2.4 −72.7
19....	510.8 2.4 −72.7	513.2 2.4 −72.7	515.6 2.5 −72.7	518.1 2.4 −72.7	520.5 2.4 −72.7	522.9 2.4 −72.6	525.3 2.5 −72.6	527.8 2.4 −72.6	530.2 2.5 −72.6	532.7 2.4 −72.6
20....	535.1 2.5 −72.5	537.6 2.5 −72.5	540.1 2.5 −72.5	542.6 2.5 −72.5	545.1 2.5 −72.5	547.6 2.5 −72.5	550.1 2.6 −72.5	552.7 2.5 −72.5	555.2 2.6 −72.5	557.8 2.5 −72.5
21....	560.3 2.6 −72.5	562.9 2.6 −72.5	565.5 2.5 −72.5	568.0 2.6 −72.4	570.6 2.6 −72.4	573.2 2.6 −72.4	575.8 2.6 −72.4	578.4 2.7 −72.4	581.1 2.6 −72.4	583.7 2.6 −72.4

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 32.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22....	586.3 2.7 −72.4	589.0 2.6 −72.4	591.6 2.7 −72.4	594.3 2.6 −72.4	596.9 2.7 −72.3	599.6 2.7 −72.3	602.3 2.7 −72.3	605.0 2.7 −72.3	607.7 2.7 −72.3	610.4 2.7 −72.3
23....	613.1 2.8 −72.3	615.9 2.7 −72.3	618.6 2.7 −72.3	621.3 2.8 −72.3	624.1 2.7 −72.3	626.8 2.8 −72.3	629.6 2.7 −72.3	632.3 2.8 −72.2	635.1 2.8 −72.2	637.9 2.8 −72.2
24....	640.7 2.8 −72.2	643.5 2.8 −72.2	646.3 2.9 −72.2	649.2 2.8 −72.2	652.0 2.8 −72.2	654.8 2.9 −72.2	657.7 2.8 −72.2	660.5 2.9 −72.2	663.4 2.8 −72.2	666.2 2.9 −72.1
25....	669.1 2.9 −72.1	672.0 2.9 −72.1	674.9 2.9 −72.1	677.8 2.9 −72.1	680.7 2.9 −72.1	683.6 2.9 −72.1	686.5 2.9 −72.1	689.4 3.0 −72.1	692.4 2.9 −72.1	695.3 3.0 −72.1
26....	698.3 3.0 −72.1	701.3 2.9 −72.1	704.2 3.0 −72.0	707.2 3.0 −72.0	710.2 3.0 −72.0	713.2 3.0 −72.0	716.2 3.0 −72.0	719.2 3.0 −72.0	722.2 3.0 −72.0	725.2 3.0 −72.0
27....	728.2 3.1 −72.0	731.3 3.1 −72.0	734.4 3.0 −72.0	737.4 3.1 −72.0	740.5 3.1 −72.0	743.6 3.1 −72.0	746.7 3.0 −72.0	749.7 3.1 −72.0	752.8 3.1 −72.0	755.9 3.2 −72.0
28....	759.1 3.1 −72.0	762.2 3.1 −72.0	765.3 3.1 −72.0	768.4 3.1 −72.0	771.5 3.2 −71.9	774.7 3.1 −71.9	777.8 3.2 −71.9	781.0 3.2 −71.9	784.2 3.2 −71.9	787.4 3.2 −71.9
29....	790.6 3.2 −71.9	793.8 3.2 −71.9	797.0 3.2 −71.9	800.2 3.2 −71.9	803.4 3.2 −71.9	806.6 3.3 −71.9	809.9 3.2 −71.9	813.1 3.2 −71.9	816.3 3.3 −71.9	819.6 3.3 −71.9

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 32.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
30---	822.86 3.27 -71.88	826.13 3.28 -71.88	829.42 3.29 -71.88	832.70 3.30 -71.87	836.00 3.30 -71.87	839.30 3.31 -71.87	842.61 3.32 -71.86	845.93 3.33 -71.86	849.26 3.33 -71.86	852.59 3.34 -71.85
31---	855.93 3.35 -71.85	859.28 3.36 -71.85	862.64 3.36 -71.85	866.00 3.37 -71.84	869.38 3.38 -71.84	872.76 3.39 -71.84	876.14 3.39 -71.84	879.54 3.40 -71.83	882.94 3.41 -71.83	886.35 3.42 -71.83
32---	889.77 3.43 -71.83	893.20 3.43 -71.82	896.63 3.44 -71.82	900.07 3.45 -71.82	903.52 3.46 -71.82	906.97 3.46 -71.81	910.44 3.47 -71.81	913.91 3.48 -71.81	917.39 3.49 -71.81	920.88 3.49 -71.81
33---	924.37 3.50 -71.81	927.87 3.51 -71.80	931.38 3.52 -71.80	934.90 3.53 -71.80	938.42 3.53 -71.80	941.96 3.54 -71.80	945.50 3.55 -71.80	949.05 3.56 -71.79	952.60 3.56 -71.79	956.16 3.57 -71.79
34---	959.73 3.58 -71.79	963.31 3.59 -71.79	966.90 3.59 -71.79	970.49 3.60 -71.79	974.09 3.61 -71.79	977.70 3.62 -71.79	981.32 3.62 -71.79	984.94 3.63 -71.79	988.58 3.64 -71.79	992.21 3.65 -71.78
35---	995.86 3.65 -71.78	999.52 3.66 -71.78	1003.18 3.67 -71.78	1006.85 3.68 -71.78	1010.53 3.69 -71.78	1014.21 3.69 -71.78	1017.90 3.70 -71.78	1021.60 3.71 -71.78	1025.31 3.72 -71.78	1029.03 3.72 -71.78

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 33.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
−1	148.9 −0.3 −76.7	148.6 −0.3 −76.7	148.3 −0.3 −76.7	148.0 −0.2 −76.7	147.8 −0.3 −76.8	147.5 −0.2 −76.8	147.3 −0.2 −76.8	147.1 −0.2 −76.9	146.9 −0.2 −76.9	146.7 −0.2 −76.9
−0	152.6 −0.4 −76.3	152.2 −0.4 −76.4	151.8 −0.4 −76.4	151.4 −0.4 −76.5	151.0 −0.4 −76.5	150.6 −0.4 −76.5	150.2 −0.3 −76.5	149.9 −0.4 −76.6	149.5 −0.3 −76.6	149.2 −0.3 −76.6
+0	152.6 0.5 −76.3	153.1 0.5 −76.3	153.6 0.5 −76.3	154.1 0.5 −76.3	154.6 0.5 −76.3	155.1 0.5 −76.3	155.6 0.5 −76.2	156.1 0.5 −76.2	156.6 0.6 −76.1	157.2 0.6 −76.1
1	157.8 0.6 −76.1	158.4 0.5 −76.1	158.9 0.6 −76.0	159.5 0.7 −76.0	160.2 0.6 −76.0	160.8 0.7 −76.0	161.5 0.6 −76.0	162.1 0.7 −75.9	162.8 0.7 −75.9	163.5 0.7 −75.9
2	164.2 0.7 −75.9	164.9 0.7 −75.8	165.6 0.7 −75.8	166.3 0.8 −75.7	167.1 0.8 −75.7	167.9 0.7 −75.7	168.6 0.8 −75.6	169.4 0.8 −75.6	170.2 0.8 −75.6	171.0 0.8 −75.6
3	171.8 0.9 −75.5	172.7 0.8 −75.5	173.5 0.9 −75.5	174.4 0.9 −75.5	175.3 0.8 −75.5	176.1 0.9 −75.4	177.0 0.9 −75.4	177.9 1.0 −75.4	178.9 0.9 −75.4	179.8 0.9 −75.4
4	180.7 1.0 −75.3	181.7 0.9 −75.3	182.6 1.0 −75.2	183.6 1.0 −75.2	184.6 1.0 −75.2	185.6 1.0 −75.2	186.6 1.0 −75.2	187.6 1.0 −75.1	188.6 1.1 −75.1	189.7 1.1 −75.1
5	190.8 1.0 −75.1	191.8 1.1 −75.0	192.9 1.1 −75.0	194.0 1.1 −75.0	195.1 1.1 −75.0	196.2 1.1 −75.0	197.3 1.2 −74.9	198.5 1.1 −74.9	199.6 1.2 −74.9	200.8 1.1 −74.9

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 33.00— Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
6....	201.9 1.2 −74.8	203.1 1.2 −74.8	204.3 1.2 −74.8	205.5 1.2 −74.8	206.7 1.2 −74.7	207.9 1.3 −74.7	209.2 1.2 −74.7	210.4 1.3 −74.7	211.7 1.2 −74.7	212.9 1.3 −74.6
7....	214.2 1.3 −74.6	215.5 1.3 −74.6	216.8 1.3 −74.6	218.1 1.3 −74.6	219.4 1.3 −74.5	220.7 1.4 −74.5	222.1 1.4 −74.5	223.5 1.3 −74.5	224.8 1.4 −74.4	226.2 1.4 −74.4
8....	227.6 1.4 −74.4	229.0 1.4 −74.4	230.4 1.4 −74.4	231.8 1.4 −74.4	233.2 1.4 −74.4	234.6 1.5 −74.3	236.1 1.5 −74.3	237.6 1.4 −74.3	239.0 1.5 −74.2	240.5 1.5 −74.2
9....	242.0 1.5 −74.2	243.5 1.5 −74.2	245.0 1.5 −74.2	246.5 1.5 −74.2	248.0 1.5 −74.1	249.5 1.6 −74.1	251.1 1.6 −74.1	252.7 1.5 −74.1	254.2 1.6 −74.0	255.8 1.6 −74.0
10....	257.4 1.6 −74.0	259.0 1.6 −74.0	260.6 1.6 −74.0	262.2 1.6 −74.0	263.8 1.6 −73.9	265.4 1.7 −73.9	267.1 1.6 −73.9	268.7 1.7 −73.9	270.4 1.7 −73.9	272.1 1.7 −73.9
11....	273.8 1.7 −73.9	275.5 1.7 −73.9	277.2 1.7 −73.8	278.9 1.7 −73.8	280.6 1.7 −73.8	282.3 1.8 −73.7	284.1 1.7 −73.7	285.8 1.8 −73.7	287.6 1.8 −73.7	289.4 1.7 −73.7
12....	291.1 1.8 −73.6	292.9 1.8 −73.6	294.7 1.8 −73.6	296.5 1.8 −73.6	298.3 1.9 −73.6	300.2 1.8 −73.6	302.0 1.8 −73.5	303.8 1.9 −73.5	305.7 1.9 −73.5	307.6 1.8 −73.5
13....	309.4 1.9 −73.5	311.3 1.9 −73.5	313.2 1.9 −73.5	315.1 1.9 −73.4	317.0 1.9 −73.4	318.9 2.0 −73.4	320.9 1.9 −73.4	322.8 2.0 −73.4	324.8 1.9 −73.4	326.7 2.0 −73.3

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 33.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
14....	328.7 1.9 −73.3	330.6 2.0 −73.3	332.6 2.0 −73.3	334.6 2.0 −73.3	336.6 2.0 −73.2	338.6 2.0 −73.2	340.6 2.1 −73.2	342.7 2.0 −73.2	344.7 2.1 −73.2	346.8 2.0 −73.2
15....	348.8 2.1 −73.2	350.9 2.0 −73.2	352.9 2.1 −73.1	355.0 2.1 −73.1	357.1 2.1 −73.1	359.2 2.1 −73.1	361.3 2.2 −73.1	363.5 2.1 −73.1	365.6 2.1 −73.1	367.7 2.1 −73.0
16....	369.8 2.2 −73.0	372.0 2.1 −73.0	374.1 2.2 −73.0	376.3 2.2 −73.0	378.5 2.2 −73.0	380.7 2.2 −73.0	382.9 2.2 −73.0	385.1 2.2 −73.0	387.3 2.2 −72.9	389.5 2.2 −72.9
17....	391.7 2.3 −72.9	394.0 2.2 −72.9	396.2 2.3 −72.9	398.5 2.2 −72.9	400.7 2.3 −72.8	403.0 2.3 −72.8	405.3 2.3 −72.8	407.6 2.3 −72.8	409.9 2.3 −72.8	412.2 2.3 −72.8
18....	414.5 2.4 −72.8	416.9 2.3 −72.8	419.2 2.3 −72.8	421.5 2.3 −72.7	423.8 2.4 −72.7	426.2 2.4 −72.7	428.6 2.4 −72.7	431.0 2.3 −72.7	433.3 2.4 −72.6	435.7 2.4 −72.6
19....	438.1 2.4 −72.6	440.5 2.4 −72.6	442.9 2.5 −72.6	445.4 2.4 −72.6	447.8 2.5 −72.6	450.3 2.4 −72.6	452.7 2.5 −72.6	455.2 2.4 −72.6	457.6 2.5 −72.6	460.1 2.5 −72.6
20....	462.6 2.5 −72.6	465.1 2.5 −72.6	467.6 2.5 −72.6	470.1 2.5 −72.5	472.6 2.5 −72.5	475.1 2.5 −72.5	477.6 2.6 −72.5	480.2 2.5 −72.5	482.7 2.6 −72.5	485.3 2.5 −72.5
21....	487.8 2.6 −72.4	490.4 2.6 −72.4	493.0 2.6 −72.4	495.6 2.6 −72.4	498.2 2.6 −72.4	500.8 2.6 −72.4	503.4 2.6 −72.4	506.0 2.7 −72.4	508.7 2.6 −72.4	511.3 2.6 −72.4

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 33.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22....	513.9 2.7 −72.3	516.6 2.6 −72.3	519.2 2.7 −72.3	521.9 2.7 −72.3	524.6 2.7 −72.3	527.3 2.7 −72.3	530.0 2.7 −72.3	532.7 2.7 −72.3	535.4 2.7 −72.3	538.1 2.7 −72.3
23....	540.8 2.8 −72.3	543.6 2.7 −72.3	546.3 2.7 −72.3	549.0 2.8 −72.2	551.8 2.7 −72.2	554.5 2.8 −72.2	557.3 2.8 −72.2	560.1 2.8 −72.2	562.9 2.8 −72.2	565.7 2.8 −72.2
24....	568.5 2.8 −72.2	571.3 2.8 −72.2	574.1 2.9 −72.2	577.0 2.8 −72.2	579.8 2.8 −72.2	582.6 2.9 −72.1	585.5 2.8 −72.1	588.3 2.9 −72.1	591.2 2.9 −72.1	594.1 2.9 −72.1
25....	597.0 2.9 −72.1	599.9 2.9 −72.1	602.8 2.9 −72.1	605.7 2.9 −72.1	608.6 2.9 −72.1	611.5 2.9 −72.1	614.4 2.9 −72.0	617.3 3.0 −72.0	620.3 2.9 −72.0	623.2 3.0 −72.0
26....	626.2 3.0 −72.0	629.2 3.0 −72.0	632.2 3.0 −72.0	635.2 3.0 −72.0	638.2 3.0 −72.0	641.2 3.0 −72.0	644.2 3.0 −72.0	647.2 3.0 −72.0	650.2 3.0 −72.0	653.2 3.0 −72.0
27....	656.2 3.1 −72.0	659.3 3.1 −72.0	662.4 3.0 −72.0	665.4 3.1 −72.0	668.5 3.1 −72.0	671.6 3.1 −72.0	674.7 3.0 −72.0	677.7 3.1 −71.9	680.8 3.1 −71.9	683.9 3.2 −71.9
28....	687.1 3.1 −71.9	690.2 3.1 −71.9	693.3 3.1 −71.9	696.4 3.2 −71.9	699.6 3.2 −71.9	702.8 3.1 −71.9	705.9 3.2 −71.9	709.1 3.2 −71.9	712.3 3.2 −71.9	715.5 3.2 −71.9
29....	718.7 3.2 −71.9	721.9 3.2 −71.9	725.1 3.2 −71.9	728.3 3.2 −71.9	731.5 3.2 −71.9	734.7 3.3 −71.9	738.0 3.2 −71.9	741.2 3.2 −71.9	744.4 3.3 −71.8	747.7 3.3 −71.8

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 33.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
30---	750.98 3.28 -71.8[illegible]	754.[illegible] 3.28 -71.84	757.[illegible] 3.29 -71.8[illegible]	760.83 3.30 -71.83	764.13 3.31 -71.83	767.43 3.31 -71.83	770.75 3.32 -71.83	774.07 3.33 -71.8[illegible]	777.40 3.34 -71.82	780.74 3.34 -71.82
31---	784.08 3.35 -71.81	787.43 3.36 -71.81	790.79 3.37 -71.81	794.16 3.37 -71.81	797.54 3.38 -71.80	800.92 3.39 -71.80	804.31 3.40 -71.80	807.71 3.41 -71.80	811.11 3.41 -71.79	814.52 3.42 -71.79
32---	817.94 3.43 -71.79	821.37 3.44 -71.79	824.81 3.44 -71.79	828.25 3.45 -71.78	831.70 3.46 -71.78	835.16 3.47 -71.78	838.63 3.47 -71.78	842.10 3.48 -71.78	845.58 3.49 -71.77	849.07 3.50 -71.77
33---	852.57 3.50 -71.77	856.07 3.51 -71.77	859.58 3.52 -71.77	863.10 3.53 -71.77	866.63 3.53 -71.77	870.16 3.54 -71.77	873.70 3.55 -71.76	877.25 3.56 -71.76	880.81 3.56 -71.76	884.37 3.57 -71.76
34---	887.94 3.58 -71.76	891.52 3.59 -71.76	895.11 3.59 -71.76	891.70 3.60 -71.76	902.31 3.61 -71.76	905.92 3.62 -71.76	909.53 3.62 -71.76	913.16 3.63 -71.76	916.79 3.64 -71.76	920.43 3.65 -71.76
35---	924.08 3.66 -71.76	927.73 3.66 -71.76	931.40 3.67 -71.76	935.07 3.68 -71.76	938.74 3.69 -71.76	942.43 3.69 -71.76	946.12 3.70 -71.76	949.82 3.71 -71.76	953.53 3.72 -71.76	957.24 3.72 -71.76

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 34.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
−1	72.2 −0.3 −76.6	71.9 −0.3 −76.6	71.6 −0.3 −76.7	71.3 −0.3 −76.7	71.0 −0.3 −76.7	70.7 −0.2 −76.7	70.5 −0.3 −76.8	70.2 −0.2 −76.8	70.0 −0.2 −76.8	69.8 −0.2 −76.9
−0	76.3 −0.5 −76.3	75.8 −0.4 −76.3	75.4 −0.5 −76.4	74.9 −0.4 −76.4	74.5 −0.4 −76.4	74.1 −0.4 −76.4	73.7 −0.4 −76.5	73.3 −0.4 −76.5	72.9 −0.3 −76.5	72.6 −0.4 −76.6
+0	76.3 0.5 −76.3	76.8 0.5 −76.3	77.3 0.5 −76.3	77.8 0.5 −76.3	78.3 0.5 −76.2	78.8 0.6 −76.1	79.4 0.5 −76.1	79.9 0.6 −76.1	80.5 0.6 −76.1	81.1 0.6 −76.0
1	81.7 0.6 −76.0	82.3 0.6 −76.0	82.9 0.6 −76.0	83.5 0.7 −75.9	84.2 0.6 −75.9	84.8 0.7 −75.8	85.5 0.7 −75.8	86.2 0.7 −75.8	86.9 0.7 −75.[illegible]	87.6 0.7 −75.7
2	88.3 0.8 −75.7	89.1 0.7 −75.7	89.8 0.8 −75.7	90.6 0.8 −75.7	91.4 0.8 −75.7	92.2 0.8 −75.7	93.0 0.8 −75.6	93.8 0.8 −75.6	94.6 0.8 −75.5	95.4 0.9 −75.5
3	96.3 0.9 −75.5	97.2 0.8 −75.5	98.0 0.9 −75.4	98.9 0.9 −75.4	99.8 0.9 −75.4	100.7 0.9 −75.4	101.6 0.9 −75.3	102.5 1.0 −75.3	103.5 0.9 −75.3	104.4 1.0 −75.2
4	105.4 1.0 −75.2	106.4 1.0 −75.2	107.4 1.0 −75.2	108.4 1.0 −75.2	109.4 1.0 −75.2	110.4 1.0 −75.1	111.4 1.1 −75.1	112.5 1.0 −75.1	113.5 1.1 −75.0	114.6 1.1 −75.0
5	115.7 1.1 −75.0	116.8 1.1 −75.0	117.9 1.1 −75.0	119.0 1.1 −74.9	120.1 1.1 −74.9	121.2 1.2 −74.9	122.4 1.2 −74.9	123.6 1.1 −74.9	124.7 1.2 −74.8	125.9 1.2 −74.8

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 34.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
6....	127.1 1.2 −74.8	128.3 1.2 −74.8	129.5 1.2 −74.7	130.7 1.3 −74.7	132.0 1.2 −74.7	133.2 1.3 −74.7	134.5 1.2 −74.7	135.7 1.3 −74.6	137.0 1.3 −74.6	138.3 1.3 −74.6
7....	139.6 1.3 −74.6	140.9 1.3 −74.5	142.2 1.3 −74.5	143.5 1.4 −74.5	144.9 1.3 −74.5	146.2 1.4 −74.4	147.6 1.4 −74.4	149.0 1.4 −74.4	150.4 1.4 −74.4	151.8 1.4 −74.4
8....	153.2 1.4 −74.4	154.6 1.4 −74.3	156.0 1.4 −74.3	157.4 1.4 −74.3	158.8 1.5 −74.2	160.3 1.5 −74.2	161.8 1.5 −74.2	163.3 1.5 −74.2	164.8 1.5 −74.2	166.3 1.5 −74.2
9....	167.8 1.5 −74.2	169.3 1.5 −74.1	170.8 1.5 −74.1	172.3 1.6 −74.1	173.9 1.5 −74.1	175.4 1.6 −74.0	177.0 1.6 −74.0	178.6 1.6 −74.0	180.2 1.6 −74.0	181.8 1.6 −74.0
10....	183.4 1.6 74.0	185.0 1.6 74.0	186.6 1.6 −73.9	188.2 1.7 −73.9	189.9 1.6 −73.9	191.5 1.7 −73.8	193.2 1.6 −73.8	194.8 1.7 −73.8	196.5 1.7 −73.8	198.2 1.7 −73.8
11....	199.9 1.7 −73.7	201.6 1.8 −73.7	203.4 1.7 −73.7	205.1 1.7 −73.7	206.8 1.8 −73.7	208.6 1.8 −73.7	210.4 1.7 −73.7	212.1 1.8 −73.6	213.9 1.8 −73.6	215.7 1.8 −73.6
12....	217.5 1.8 −73.6	219.3 1.8 −73.6	221.1 1.8 −73.6	222.9 1.8 −73.5	224.7 1.9 −73.5	226.6 1.9 −73.5	228.5 1.8 −73.5	230.3 1.9 −73.5	232.2 1.9 −73.5	234.1 1.8 −73.5
13....	235.9 1.9 −73.4	237.8 1.9 −73.4	239.7 2.0 −73.4	241.7 1.9 −73.4	243.6 1.9 −73.4	245.5 2.0 −73.3	247.5 1.9 −73.3	249.4 2.0 −73.3	251.4 2.0 −73.3	253.4 2.0 −73.3

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TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 34.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
14	255.4 1.9 −73.3	257.3 2.0 −73.2	259.3 2.0 −73.2	261.3 2.1 −73.2	263.4 2.0 −73.2	265.4 2.0 −73.2	267.4 2.1 −73.2	269.5 2.0 −73.2	271.5 2.1 −73.2	273.6 2.0 −73.2
15	275.6 2.1 −73.1	277.7 2.1 −73.1	279.8 2.1 −73.1	281.9 2.1 −73.1	284.0 2.1 −73.1	286.1 2.1 −73.0	288.2 2.2 −73.0	290.4 2.1 −73.0	292.5 2.2 −73.0	294.7 2.1 −73.0
16	296.8 2.2 −73.0	299.0 2.1 −73.0	301.1 2.2 −72.9	303.3 2.2 −72.9	305.5 2.2 −72.9	307.7 2.2 −72.9	309.9 2.2 −72.9	312.1 2.3 −72.9	314.4 2.2 −72.9	316.6 2.2 −72.9
17	318.8 2.3 −72.8	321.1 2.2 −72.8	323.3 2.3 −72.8	325.6 2.3 −72.8	327.9 2.3 −72.8	330.2 2.3 −72.8	332.5 2.3 −72.8	334.8 2.3 −72.8	337.1 2.3 −72.7	339.4 2.3 −72.7
18	341.7 2.4 −72.7	344.1 2.3 −72.7	346.4 2.4 −72.7	348.8 2.3 −72.7	351.1 2.4 −72.7	353.5 2.4 −72.7	355.9 2.4 −72.7	358.3 2.4 −72.7	360.7 2.4 −72.7	363.1 2.4 −72.7
19	365.5 2.4 −72.6	367.9 2.4 −72.6	370.3 2.5 −72.6	372.8 2.4 −72.6	375.2 2.5 −72.6	377.7 2.4 −72.6	380 1 2.5 −72.6	382.6 2.4 −72.6	385.0 2.5 −72.6	387.5 2.5 −72.6
20	390.0 2.5 −72.5	392.5 2.5 −72.5	395.0 2.6 −72.5	397.6 2.5 −72.5	400.1 2.5 −72.5	402.6 2.5 −72.4	405.1 2.6 −72.4	407.7 2.5 −72.4	410.2 2.6 −72.4	412.8 2.6 −72.4
21	415.4 2.6 −72.4	418.0 2.6 −72.4	420.6 2.6 −72.4	423.2 2.6 −72.4	425.8 2.6 −72.4	428.4 2.6 −72.4	431.0 2.6 −72.3	433.6 2.7 −72.3	436.3 2.6 −72.3	438.9 2.7 −72.3

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 34.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22	441.6 2.7 −72.3	444.3 2.6 −72.3	446.9 2.7 −72.3	449.6 2.7 −72.3	452.3 2.7 −72.3	455.0 2.7 −72.3	457.7 2.7 −72.3	460.4 2.7 −72.2	463.1 2.7 −72.2	465.8 2.7 −72.2
23	468.5 2.8 −72.2	471.3 2.7 −72.2	474.0 2.8 −72.2	476.8 2.8 −72.2	479.6 2.7 −72.2	482.3 2.8 −72.2	485.1 2.8 −72.2	487.9 2.8 −72.2	490.7 2.8 −72.2	493.5 2.8 −72.1
24	496.3 2.8 −72.1	499.1 2.8 −72.1	501.9 2.9 −72.1	504.8 2.8 −72.1	507.6 2.9 −72.1	510.5 2.9 −72.1	513.4 2.8 −72.1	516.2 2.9 −72.1	519.1 2.9 −72.1	522.0 2.9 −72.1
25	524.9 2.9 −72.1	527.8 2.9 −72.1	530.7 2.9 −72.1	533.6 2.9 −72.1	536.5 2.9 −72.0	539.4 3.0 −72.0	542.4 2.9 −72.0	545.3 3.0 −72.0	548.3 2.9 −72.0	551.2 3.0 −72.0
26	554.2 3.0 −72.0	557.2 3.0 −72.0	560.2 3.0 −72.0	563.2 3.0 −72.0	566.2 3.0 −72.0	569.2 3.0 −72.0	572.2 3.0 −72.0	575.2 3.0 −72.0	578.2 3.0 −71.9	581.2 3.0 −71.9
27	584.2 3.1 −71.9	587.3 3.1 −71.9	590.4 3.0 −71.9	593.4 3.1 −71.9	596.5 3.1 −71.9	599.6 3.1 −71.9	602.7 3.1 −71.9	605.8 3.1 −71.9	608.9 3.1 −71.9	612.0 3.2 −71.9
28	615.2 3.1 −71.9	618.3 3.1 −71.9	621.4 3.1 −71.9	624.5 3.2 −71.9	627.7 3.2 −71.9	630.9 3.1 −71.9	634.0 3.2 −71.9	637.2 3.2 −71.9	640.4 3.2 −71.9	643.6 3.2 −71.9
29	646.8 3.2 −71.9	650.0 3.2 −71.9	653.2 3.2 −71.9	656.4 3.2 −71.8	659.6 3.2 −71.8	662.8 3.3 −71.8	666.1 3.2 −71.8	669.3 3.3 −71.8	672.6 3.3 −71.8	675.9 3.2 −71.8

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 34.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
30---	679.13 3.28 -71.81	682.41 3.29 -71.81	685.70 3.29 -71.80	688.99 3.30 -71.80	692.30 3.31 -71.80	695.61 3.32 -71.79	698.92 3.32 -71.79	702.25 3.33 -71.79	705.58 3.34 -71.78	708.92 3.35 -71.78
31---	712.27 3.35 -71.78	715.62 3.36 -71.78	718.98 3.37 -71.77	722.35 3.38 -71.77	725.73 3.39 -71.77	729.12 3.39 -71.77	732.51 3.40 -71.77	735.91 3.41 -71.76	739.33 3.42 -71.76	742.73 3.42 -71.76
32---	746.15 3.43 -71.76	749.58 3.44 -71.76	753.02 3.45 -71.75	756.47 3.45 -71.75	759.92 3.46 -71.75	763.38 3.47 -71.75	766.85 3.48 -71.75	770.33 3.48 -71.75	773.81 3.49 -71.74	777.30 3.50 -71.74
33---	780.79 3.51 -71.74	784.30 3.51 -71.74	787.81 3.52 -71.74	791.33 3.53 -71.74	794.86 3.54 -71.74	798.39 3.54 -71.74	801.94 3.55 -71.74	805.49 3.56 -71.74	809.04 3.57 -71.73	812.61 3.57 -71.73
34---	816.18 3.58 -71.73	819.76 3.59 -71.73	823.35 3.60 -71.73	826.95 3.60 -71.73	830.55 3.61 -71.73	834.16 3.62 -71.73	837.78 3.63 -71.73	841.40 3.63 -71.73	845.03 3.64 -71.73	848.67 3.65 -71.73
35---	852.32 3.66 -71.73	855.98 3.66 -71.73	859.64 3.67 -71.73	863.31 3.68 -71.73	866.99 3.69 -71.73	870.67 3.69 -71.73	874.36 3.70 -71.73	878.06 3.71 -71.73	881.77 3.72 -71.73	885.49 3.72 -71.74

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 35.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
+1	−4.4 −0.3 −76.4	−4.7 −0.4 −76.5	−5.1 −0.3 −76.5	−5.4 −0.3 −76.6	−5.7 −0.3 −76.6	−6.0 −0.3 −76.7	−6.3 −0.3 −76.7	−6.6 −0.2 −76.7	−6.8 −0.3 −76.7	−7.1 −0.3 −76.7
−0	0.0 −0.5 −76.2	−0.5 −0.5 −76.2	−1.0 −0.5 −76.3	−1.5 −0.4 −76.3	−1.9 −0.4 −76.3	−2.3 −0.5 −76.4	−2.8 −0.4 −76.4	−3.2 −0.4 −76.4	−3.6 −0.4 −76.4	−4.0 −0.4 −76.4
+0	0.0 0.5 −76.2	0.5 0.5 −76.2	1.0 0.5 −76.1	1.5 0.6 −76.1	2.1 0.6 −76.1	2.7 0.6 −76.1	3.3 0.5 −76.1	3.8 0.6 −76.0	4.4 0.7 −76.0	5.1 0.6 −76.0
1	5.7 0.6 −76.0	6.3 0.6 −75.9	6.9 0.7 −75.8	7.6 0.7 −75.8	8.3 0.7 −75.8	9.0 0.7 −75.8	9.7 0.7 −75.8	10.4 0.7 −75.8	11.1 0.8 −75.7	11.9 0.7 −75.7
2	12.6 0.8 −75.7	13.4 0.7 −75.7	14.1 0.8 −75.6	14.9 0.8 −75.6	15.7 0.8 −75.5	16.5 0.9 −75.5	17.4 0.8 −75.5	18.2 0.9 −75.5	19.1 0.8 −75.5	19.9 0.9 −75.4
3	20.8 0.9 −75.4	21.7 0.9 −75.4	22.6 0.9 −75.4	23.5 0.9 −75.4	24.4 0.9 −75.3	25.3 1.0 −75.3	26.3 0.9 −75.3	27.2 1.0 −75.2	28.2 1.0 −75.2	29.2 1.0 −75.2
4	30.2 1.0 −75.2	31.2 1.0 −75.2	32.2 1.0 −75.2	33.2 1.0 −75.1	34.2 1.1 −75.1	35.3 1.0 −75.1	36.3 1.1 −75.0	37.4 1.1 −75.0	38.5 1.1 −75.0	39.6 1.1 −75.0
5	40.7 1.1 −75.0	41.8 1.1 −74.9	42.9 1.2 −74.9	44.1 1.1 −74.9	45.2 1.1 −74.8	46.3 1.2 −74.8	47.5 1.2 −74.8	48.7 1.2 −74.8	49.9 1.2 −74.8	51.1 1.2 −74.7

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 35.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
6	52.3 1.2 -74.7	53.5 1.3 -74.7	54.8 1.2 -74.7	56.0 1.3 -74.6	57.3 1.2 -74.6	58.5 1.3 -74.6	59.8 1.3 -74.6	61.1 1.3 -74.6	62.4 1.3 -74.5	63.7 1.3 -74.5
7	65.0 1.4 -74.5	66.4 1.3 -74.5	67.7 1.3 -74.4	69.0 1.4 -74.4	70.4 1.4 -74.4	71.8 1.4 -74.4	73.2 1.4 -74.4	74.6 1.4 -74.4	76.0 1.4 -74.3	77.4 1.4 -74.3
8	78.8 1.5 -74.3	80.3 1.4 -74.3	81.7 1.4 -74.3	83.1 1.5 -74.2	84.6 1.5 -74.2	86.1 1.5 -74.2	87.6 1.5 -74.2	89.1 1.5 -74.2	90.6 1.5 -74.1	92.1 1.5 -74.1
9	93.6 1.6 -74.1	95.2 1.5 -74.1	96.7 1.5 -74.1	98.2 1.6 -74.0	99.8 1.6 -74.0	101.4 1.6 -74.0	103.0 1.6 -74.0	104.6 1.6 -74.0	106.2 1.6 -74.0	107.8 1.6 -73.9
10	109.4 1.6 -73.9	111.0 1.7 -73.9	112.7 1.6 -73.9	114.3 1.7 -73.8	116.0 1.7 -73.8	117.7 1.7 -73.8	119.4 1.6 -73.8	121.0 1.7 -73.7	122.7 1.7 -73.7	124.4 1.8 -73.7
11	126.2 1.7 -73.7	127.9 1.8 -73.7	129.7 1.7 -73.7	131.4 1.7 -73.7	133.1 1.8 -73.6	134.9 1.8 -73.6	136.7 1.8 -73.6	138.5 1.8 -73.6	140.3 1.8 -73.6	142.1 1.8 -73.6
12	143.9 1.8 -73.6	145.7 1.8 -73.5	147.5 1.9 -73.5	149.4 1.8 -73.5	151.2 1.9 -73.5	153.1 1.9 -73.5	155.0 1.8 -73.5	156.8 1.9 -73.4	158.7 1.9 -73.4	160.6 1.9 -73.4
13	162.5 1.9 -73.4	164.4 1.9 -73.3	166.3 2.0 -73.3	168.3 1.9 -73.3	170.2 2.0 -73.3	172.2 2.0 -73.3	174.2 1.9 -73.3	176.1 2.0 -73.2	178.1 2.0 -73.2	180.1 2.0 -73.2

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 35.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
14....	182.1 2.0 −73.2	184.1 2.0 −73.2	186.1 2.0 −73.2	188.1 2.1 −73.2	190.2 2.0 −73.2	192.2 2.0 −73.1	194.2 2.1 −73.1	196.3 2.0 −73.1	198.3 2.1 −73.1	200.4 2.1 −73.1
15....	202.5 2.1 −73.1	204.6 2.1 −73.1	206.7 2.1 −73.0	208.8 2.1 −73.0	210.9 2.2 −73.0	213.1 2.1 −73.0	215.2 2.2 −73.0	217.4 2.1 −73.0	219.5 2.2 −73.0	221.7 2.1 −73.0
16....	223.8 2.2 −72.9	226.0 2.2 −72.9	228.2 2.2 −72.9	230.4 2.2 −72.9	232.6 2.2 −72.9	234.8 2.2 −72.9	237.0 2.2 −72.8	239.2 2.3 −72.8	241.5 2.2 −72.8	243.7 2.3 −72.8
17....	246.0 2.3 −72.8	248.3 2.2 −72.8	250.5 2.3 −72.7	252.8 2.3 −72.7	255.1 2.3 −72.7	257.4 2.3 −72.7	259.7 2.3 −72.7	262.0 2.4 −72.7	264.4 2.3 −72.7	266.7 2.3 −72.7
18....	269.0 2.4 −72.7	271.4 2.3 −72.7	273.7 2.4 −72.6	276.1 2.3 −72.6	278.4 2.4 −72.6	280.8 2.4 −72.6	283.2 2.4 −72.6	285.6 2.4 −72.6	288.0 2.4 −72.6	290.4 2.5 −72.6
19....	292.9 2.4 −72.6	295.3 2.4 −72.6	297.7 2.5 −72.5	300.2 2.4 −72.5	302.6 2.5 −72.5	305.1 2.4 −72.5	307.5 2.5 −72.4	310.0 2.5 −72.4	312.5 2.5 −72.4	315.0 2.5 −72.4
20....	317.5 2.5 −72.4	320.0 2.5 −72.4	322.5 2.6 −72.4	325.1 2.5 −72.4	327.6 2.6 −72.4	330.2 2.5 −72.4	332.7 2.6 −72.4	335.3 2.5 −72.4	337.8 2.6 −72.3	340.4 2.6 −72.3
21....	343.0 2.6 −72.3	345.6 2.6 −72.3	348.2 2.6 −72.3	350.8 2.6 −72.3	353.4 2.6 −72.3	356.0 2.7 −72.3	358.7 2.6 −72.3	361.3 2.7 −72.3	364.0 2.6 −72.3	366.6 2.7 −72.3

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 35.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22....	369.3 2.7 −72.3	372.0 2.6 −72.3	374.6 2.7 −72.2	377.3 2.7 −72.2	380.0 2.7 −72.2	382.7 2.7 −72.2	385.4 2.8 −72.2	388.2 2.7 −72.2	390.9 2.7 −72.2	393.6 2.7 −72.2
23....	396.3 2.8 −72.2	399.1 2.7 −72.2	401.8 2.8 −72.1	404.6 2.8 −72.1	407.4 2.7 −72.1	410.1 2.8 −72.1	412.9 2.8 −72.1	415.7 2.8 −72.1	418.5 2.9 −72.1	421.4 2.8 −72.1
24....	424.2 2.8 −72.1	427.0 2.8 −72.1	429.8 2.9 −72.1	432.7 2.8 −72.1	435.5 2.9 −72.1	438.4 2.9 −72.1	441.3 2.8 −72.1	444.1 2.9 −72.0	447.0 2.9 −72.0	449.9 2.9 −72.0
25....	452.8 2.9 −72.0	455.7 2.9 −72.0	458.6 2.9 −72.0	461.5 3.0 −72.0	464.5 2.9 −72.0	467.4 3.0 −72.0	470.4 2.9 −72.0	473.3 3.0 −72.0	476.3 2.9 −72.0	479.2 3.0 −72.0
26....	482.2 3.0 −72.0	485.2 3.0 −72.0	488.2 3.0 −72.0	491.2 3.0 −72.0	494.2 3.0 −72.0	497.2 3.0 −71.9	500.2 3.0 −71.9	503.2 3.1 −71.9	506.3 3.0 −71.9	509.3 3.0 −71.9
27....	512.3 3.1 −71.9	515.4 3.1 −71.9	518.5 3.0 −71.9	521.5 3.1 −71.9	524.6 3.1 −71.9	527.7 3.1 −71.9	530.8 3.1 −71.9	533.9 3.1 −71.9	537.0 3.1 −71.9	540.1 3.2 −71.9
28....	543.3 3.1 −71.9	546.4 3.1 −71.9	549.5 3.1 −71.8	552.6 3.2 −71.8	555.8 3.2 −71.8	559.0 3.1 −71.8	562.1 3.2 −71.8	565.3 3.2 −71.8	568.5 3.2 −71.8	571.7 3.2 −71.8
29....	574.9 3.2 −71.8	578.1 3.2 −71.8	581.3 3.3 −71.8	584.6 3.2 −71.8	587.8 3.2 −71.8	591.0 3.3 −71.8	594.3 3.2 −71.8	597.5 3.3 −71.8	600.8 3.3 −71.8	604.1 3.2 −71.8

TABLE 2 - $10^2 \Delta_{s,t}$ FOR SALINITY 35.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
30---	607.32 3.28 -71.78	610.61 3.29 -71.77	613.90 3.30 -71.77	617.20 3.31 -71.77	620.50 3.31 -71.76	623.81 3.32 -71.76	627.13 3.33 -71.76	630.46 3.34 -71.76	633.80 3.34 -71.75	637.14 3.35 -71.75
31---	640.49 3.36 -71.75	643.85 3.36 -71.75	647.21 3.37 -71.74	650.58 3.38 -71.74	653.96 3.39 -71.74	657.35 3.39 -71.74	660.74 3.40 -71.74	664.15 3.41 -71.73	667.56 3.42 -71.73	670.97 3.42 -71.73
32---	674.40 3.43 -71.73	677.83 3.44 -71.73	681.27 3.45 -71.73	684.72 3.45 -71.72	688.17 3.46 -71.72	691.63 3.47 -71.72	695.10 3.48 -71.72	698.58 3.48 -71.72	702.06 3.49 -71.72	705.55 3.50 -71.72
33---	709.05 3.51 -71.72	712.56 3.51 -71.71	716.07 3.52 -71.71	719.59 3.53 -71.71	723.12 3.54 -71.71	726.66 3.54 -71.71	730.20 3.55 -71.71	733.75 3.56 -71.71	737.31 3.57 -71.71	740.88 3.57 -71.71
34---	744.45 3.58 -71.71	748.03 3.59 -71.71	751.62 3.60 -71.71	755.21 3.60 -71.71	758.82 3.61 -71.71	762.43 3.62 -71.71	766.04 3.63 -71.71	769.67 3.63 -71.71	773.30 3.64 -71.71	776.94 3.65 -71.71
35---	780.59 3.66 -71.71	784.25 3.66 -71.71	787.91 3.67 -71.71	791.58 3.68 -71.71	795.25 3.68 -71.71	798.94 3.69 -71.71	802.63 3.70 -71.71	806.33 3.71 -71.71	810.04 3.71 -71.72	813.75 3.72 -71.72

TABLE 2 $-10^5\Delta_{s,t}$ FOR SALINITY 36.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
−1	−80.8 −0.4 −76.4	−81.2 −0.4 −76.5	−81.6 −0.4 −76.5	−82.0 −0.3 −76.5	−82.3 −0.4 −76.5	−82.7 −0.3 −76.5	−83.0 −0.3 −76.6	−83.3 −0.2 −76.6	−83.5 −0.3 −76.7	83.8 −0.3 −76.7
−0	−76.2 −0.5 −76.2	−76.7 −0.6 −76.2	−77.3 −0.5 −76.2	−77.8 −0.4 −76.2	−78.2 −0.5 −76.3	−78.7 −0.5 −76.3	−79.2 −0.4 −76.3	−79.6 −0.4 −76.4	−80.0 −0.4 −76.4	80.4 −0.4 −76.4
+0	−76.2 0.5 −76.1	−75.7 0.6 −76.1	−75.1 0.5 −76.1	−74.6 0.6 −76.0	−74.0 0.6 −76.0	−73.4 0.6 −76.0	−72.8 0.6 −76.0	−72.2 0.6 −75.9	−71.6 0.7 −75.9	−70.9 0.6 −75.9
1	−70.3 0.7 −75.8	−69.6 0.7 −75.8	−68.9 0.7 −75.8	−68.2 0.7 −75.8	−67.5 0.7 −75.8	−66.8 0.7 −75.8	−66.1 0.7 −75.7	−65.4 0.8 −75.7	−64.6 0.8 −75.7	−63.8 0.7 −75.7
2	−63.1 0.8 −75.6	−62.3 0.8 −75.6	−61.5 0.8 −75.5	−60.7 0.9 −75.5	−59.8 0.8 −75.5	−59.0 0.9 −75.5	−58.1 0.8 −75.5	−57.3 0.9 −75.4	−56.4 0.9 −75.4	−55.5 0.9 −75.4
3	−54.6 0.9 −75.4	−53.7 0.9 −75.3	−52.8 0.9 −75.3	−51.9 1.0 −75.3	−50.9 0.9 −75.3	−50.0 1.0 −75.2	−49.0 1.0 −75.2	−48.0 1.0 −75.2	−47.0 1.0 −75.2	−46.0 1.0 −75.2
4	−45.0 1.0 −75.2	−44.0 1.0 −75.1	−43.0 1.1 −75.0	−41.9 1.0 −75.0	−40.9 1.1 −75.0	−39.8 1.1 −75.0	−38.7 1.1 −75.0	−37.6 1.1 −74.9	−36.5 1.1 −74.9	−35.4 1.1 −74.9
5	−34.3 1.2 −74.9	−33.1 1.1 −74.9	−32.0 1.2 −74.8	−30.8 1.2 −74.8	−29.6 1.1 −74.8	−28.5 1.2 −74.7	−27.3 1.2 −74.7	−26.1 1.2 −74.7	−24.9 1.3 −74.7	−23.6 1.2 −74.7

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 36.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
6....	−22.4 1.2 −74.6	−21.2 1.3 −74.6	−19.9 1.3 −74.6	−18.6 1.3 −74.6	−17.3 1.2 −74.6	16.1 1.3 −74.5	−14.8 1.3 −74.5	−13.5 1.4 −74.5	−12.1 1.3 −74.5	−10.8 1.3 −74.5
7....	−9.5 1.4 −74.4	−8.1 1.4 −74.4	−6.7 1.3 −74.4	−5.4 1.4 −74.4	−4.0 1.4 −74.4	−2.6 1.4 −74.3	−1.2 1.4 −74.3	0.2 1.5 −74.3	1.7 1.4 −74.3	3.1 1.4 −74.3
8....	4.5 1.5 −74.2	6.0 1.4 −74.2	7.4 1.5 −74.2	8.9 1.5 −74.2	10.4 1.5 −74.2	11.9 1.5 −74.1	13.4 1.5 −74.1	14.9 1.6 −74.1	16.5 1.5 −74.1	18.0 1.5 −74.1
9....	19.5 1.6 −74.0	21.1 1.5 −74.0	22.6 1.6 −74.0	24.2 1.6 −74.0	25.8 1.6 −74.0	27.4 1.6 −73.9	29.0 1.6 −73.9	30.6 1.6 −73.9	32.2 1.7 −73.9	33.9 1.6 −73.9
10....	35.5 1.6 −73.8	37.1 1.7 −73.8	38.8 1.7 −73.8	40.5 1.7 −73.8	42.2 1.7 −73.8	43.9 1.7 −73.8	45.6 1.7 −73.8	47.3 1.7 −73.8	49.0 1.7 −73.7	50.7 1.8 −73.7
11....	52.5 1.7 −73.7	54.2 1.8 −73.7	56.0 1.7 −73.7	57.7 1.8 −73.6	59.5 1.8 −73.6	61.3 1.8 −73.6	63.1 1.8 −73.6	64.9 1.8 −73.6	66.7 1.8 −73.5	68.5 1.8 −73.5
12....	70.3 1.9 −73.5	72.2 1.8 −73.5	74.0 1.9 −73.4	75.9 1.8 −73.4	77.7 1.9 −73.4	79.6 1.9 −73.4	81.5 1.9 −73.4	83.4 1.9 −73.4	85.3 1.9 −73.3	87.2 1.9 −73.3
13....	89.1 2.0 −73.3	91.1 1.9 −73.3	93.0 2.0 −73.3	95.0 1.9 −73.3	96.9 2.0 −73.2	98.9 2.0 −73.2	100.9 2.0 −73.2	102.9 2.0 −73.2	104.9 2.0 −73.2	106.9 2.0 −73.2

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 36.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
14----	108.9 2.0 −73.2	110.9 2.0 −73.2	112.9 2.0 −73.1	114.9 2.1 −73.1	117.0 2.1 −73.1	119.1 2.0 −73.1	121.1 2.1 −73.1	123.2 2.0 −73.1	125.2 2.1 −73.0	127.3 2.1 −73.0
15----	129.4 2.1 −73.0	131.5 2.2 −73.0	133.7 2.1 −73.0	135.8 2.1 −73.0	137.9 2.2 −73.0	140.1 2.1 −73.0	142.2 2.2 −72.9	144.4 2.1 −72.9	146.5 2.2 −72.9	148.7 2.2 −72.9
16----	150.9 2.2 −72.9	153.1 2.2 −72.9	155.3 2.2 −72.9	157.5 2.2 −72.8	159.7 2.2 −72.8	161.9 2.3 −72.8	164.2 2.2 −72.8	166.4 2.3 −72.8	168.7 2.2 −72.8	170.9 2.3 −72.8
17----	173.2 2.3 −72.8	175.5 2.3 −72.8	177.8 2.3 −72.7	180.1 2.3 −72.7	182.4 2.3 −72.7	184.7 2.3 −72.7	187.0 2.3 −72.7	189.3 2.4 −72.7	191.7 2.3 −72.7	194.0 2.3 −72.7
18----	196.3 2.4 −72.6	198.7 2.4 −72.6	201.1 2.4 −72.6	203.5 2.3 −72.6	205.8 2.4 −72.6	208.2 2.4 −72.6	210.6 2.4 −72.5	213.0 2.4 −72.5	215.4 2.4 −72.5	217.8 2.5 −72.5
19----	220.3 2.4 −72.5	222.7 2.5 −72.5	225.2 2.5 −72.5	227.7 2.4 −72.5	230.1 2.5 −72.5	232.6 2.5 −72.5	235.1 2.5 −72.5	237.6 2.5 −72.5	240.1 2.5 −72.5	242.6 2.5 −72.4
20----	245.1 2.5 −72.4	247.6 2.5 −72.4	250.1 2.6 −72.4	252.7 2.5 −72.4	255.2 2.6 −72.4	257.8 2.5 −72.4	260.3 2.6 −72.3	262.9 2.6 −72.3	265.5 2.6 −72.3	268.1 2.6 −72.3
21----	270.7 2.6 −72.3	273.3 2.6 −72.3	275.9 2.6 −72.3	278.5 2.6 −72.3	281.1 2.6 −72.3	283.7 2.7 −72.3	286.4 2.7 −72.3	289.0 2.7 −72.2	291.7 2.6 −72.2	294.3 2.7 −72.2

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 36.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22----	297.0 2.7 −72.2	299.7 2.7 −72.2	302.4 2.7 −72.2	305.1 2.7 −72.2	307.8 2.7 −72.2	310.5 2.7 −72.2	313.2 2.8 −72.2	316.0 2.7 −72.2	318.7 2.7 −72.2	321.4 2.7 −72.1
23----	324.1 2.8 −72.1	326.9 2.8 −72.1	329.7 2.8 −72.1	332.5 2.8 −72.1	335.3 2.7 −72.1	338.0 2.8 −72.1	340.8 2.8 −72.1	343.6 2.8 −72.1	346.4 2.9 −72.1	349.3 2.8 −72.1
24----	352.1 2.8 −72.1	354.9 2.8 −72.0	357.7 2.9 −72.0	360.6 2.8 −72.0	363.4 2.9 −72.0	366.3 2.9 −72.0	369.2 2.9 −72.0	372.1 2.9 −72.0	375.0 2.9 −72.0	377.9 2.9 −72.0
25----	380.8 2.9 −72.0	383.7 2.9 −72.0	386.6 2.9 −72.0	389.5 3.0 −72.0	392.5 2.9 −72.0	395.4 3.0 −72.0	398.4 2.9 −72.0	401.3 3.0 −71.9	404.3 2.9 −71.9	407.2 3.0 −71.9
26----	410.2 3.0 −71.9	413.2 3.0 −71.9	416.2 3.0 −71.9	419.2 3.0 −71.9	422.2 3.1 −71.9	425.3 3.0 −71.9	428.3 3.0 −71.9	431.3 3.1 −71.9	434.4 3.0 −71.9	437.4 3.0 −71.9
27----	440.4 3.1 −71.9	443.5 3.0 −71.9	446.6 3.1 −71.9	449.6 3.1 −71.8	452.7 3.1 −71.8	455.8 3.1 −71.8	458.9 3.1 −71.8	462.0 3.1 −71.8	465.1 3.1 −71.8	468.2 3.2 −71.8
28----	471.4 3.1 −71.8	474.5 3.2 −71.8	477.7 3.1 −71.8	480.8 3.2 −71.8	484.0 3.2 −71.8	487.2 3.1 −71.8	490.3 3.2 −71.8	493.5 3.2 −71.8	496.7 3.2 −71.8	499.9 3.2 −71.8
29----	503.1 3.2 −71.8	506.3 3.2 −71.8	509.5 3.3 −71.8	512.8 3.2 −71.8	516.0 3.2 −71.8	519.2 3.3 −71.8	522.5 3.3 −71.8	525.7 3.2 −71.8	529.0 3.3 −71.8	532.3 3.3 −71.8

TABLE 2 - $10^5 \Delta_{s,t}$ FOR SALINITY 36.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
30---	535.55 3.29 -71.75	538.83 3.29 -71.74	542.13 3.30 -71.74	545.43 3.31 -71.74	548.74 3.32 -71.74	552.05 3.32 -71.73	555.37 3.33 -71.73	558.70 3.34 -71.73	562.04 3.34 -71.73	565.39 3.3[illegible] -71.7[illegible]
31---	568.74 3.36 -71.72	572.10 3.37 -71.72	575.47 3.37 -71.72	578.84 3.38 -71.72	582.22 3.39 -71.71	585.61 3.40 -71.71	589.01 3.40 -71.71	592.41 3.41 -71.71	595.82 3.42 -71.71	599.[illegible] 3.43 -71.70
32---	602.67 3.43 -71.70	606.10 3.44 -71.70	609.54 3.45 -71.70	612.99 3.46 -71.70	616.45 3.46 -71.70	619.91 3.47 -71.70	623.38 3.48 -71.70	626.86 3.48 -71.70	630.34 3.49 -71.69	633.84 3.50 -71.69
33---	637.34 3.51 -71.69	640.84 3.51 -71.69	644.36 3.52 -71.69	647.88 3.53 -71.69	651.41 3.54 -71.69	654.95 3.54 -71.69	658.49 3.55 -71.69	662.04 3.56 -71.69	665.60 3.57 -71.69	669.17 3.57 -71.69
34---	672.74 3.58 -71.69	676.32 3.59 -71.69	679.91 3.60 -71.69	683.51 3.60 -71.69	687.11 3.61 -71.69	690.72 3.62 -71.69	694.34 3.63 -71.69	697.96 3.63 -71.69	701.59 3.64 -71.69	705.23 3.6[illegible] -71.69
35---	708.88 3.65 -71.69	712.53 3.66 -71.69	716.20 3.67 -71.69	719.87 3.68 -71.69	723.54 3.68 -71.70	727.23 3.69 -71.70	730.92 3.70 -71.70	734.62 3.71 -71.70	738.32 3.71 -71.70	742.04 3.72 -71.70

TABLE 2 $-10^5\Delta_{s,t}$ FOR SALINITY 37.00

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
−1	−157.2 −0.4 −76.3	−157.7 −0.4 −76.4	−158.1 −0.4 −76.4	−158.5 −0.3 −76.4	−158.8 −0.4 −76.5	−159.2 −0.4 −76.5	−159.6 −0.3 −76.5	−159.9 −0.3 −76.5	−160.2 −0.3 −76.6	−160.5 −0.3 −76.6
−0	−152.3 −0.6 −76.1	−152.9 −0.6 −76.1	−153.5 −0.5 −76.1	−154.0 −0.5 −76.1	−154.5 −0.5 −76.2	−155.0 −0.5 −76.2	−155.5 −0.5 −76.2	−156.0 −0.4 −76.2	−156.4 −0.4 −76.3	−156.8 −0.5 −76.3
+0	−152.3 0.5 −76.1	−151.8 0.6 −76.0	−151.2 0.6 −76.0	−150.6 0.6 −76.0	−150.0 0.6 −76.0	−149.4 0.6 −75.9	−148.8 0.7 −75.9	−148.1 0.6 −75.9	−147.5 0.7 −75.8	−146.8 0.7 −75.8
1	−146.1 0.7 −75.8	−145.4 0.7 −75.8	−144.7 0.7 −75.8	−144.0 0.7 −75.7	−143.3 0.7 −75.7	−142.6 0.8 −75.6	−141.8 0.7 −75.6	−141.1 0.8 −75.6	−140.3 0.8 −75.6	−139.5 0.8 −75.5
2	−138.7 0.8 −75.5	−137.9 0.9 −75.5	−137.0 0.8 −75.5	−136.2 0.9 −75.5	−135.3 0.8 −75.5	−134.5 0.9 −75.4	−133.6 0.9 −75.4	−132.7 0.9 −75.4	−131.8 0.9 −75.4	−130.9 0.9 −75.3
3	−130.0 1.0 −75.3	−129.0 0.9 −75.3	−128.1 0.9 −75.3	−127.2 1.0 −75.2	−126.2 1.0 −75.2	−125.2 1.0 −75.2	−124.2 1.0 −75.2	−123.2 1.0 −75.1	−122.2 1.0 −75.1	−121.2 1.0 −75.0
4	−120.2 1.1 −75.0	−119.1 1.1 −75.0	−118.0 1.1 −75.0	−116.9 1.0 −75.0	−115.9 1.1 −74.9	−114.8 1.1 −74.9	−113.7 1.2 −74.9	−112.5 1.1 −74.9	−111.4 1.1 −74.9	−110.3 1.1 −74.8
5	−109.2 1.2 −74.8	−108.0 1.2 −74.8	−106.8 1.2 −74.8	−105.6 1.2 −74.8	−104.4 1.2 −74.8	−103.2 1.2 −74.7	−102.0 1.2 −74.7	−100.8 1.2 −74.7	−99.6 1.3 −74.6	−98.3 1.3 −74.6

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 37.00— Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
6	−97.0 1.2 −74.6	−95.8 1.3 −74.6	−94.5 1.3 −74.6	−93.2 1.3 −74.6	−91.9 1.3 −74.5	−90.6 1.3 −74.5	−89.3 1.3 −74.5	−88.0 1.4 −74.4	−86.6 1.3 −74.4	−85.3 1.4 −74.4
7	−83.9 1.4 −74.4	−82.5 1.4 −74.4	−81.1 1.3 −74.4	−79.8 1.4 −74.3	−78.4 1.4 −74.3	−76.9 1.4 −74.3	−75.5 1.4 −74.3	−74.1 1.5 −74.2	−72.6 1.4 −74.2	−71.2 1.5 −74.2
8	−69.7 1.5 −74.2	−68.2 1.4 −74.2	−66.8 1.5 −74.1	−65.3 1.5 −74.1	−63.8 1.6 −74.1	−62.2 1.5 −74.1	−60.7 1.5 −74.1	−59.2 1.6 −74.0	−57.6 1.5 −74.0	−56.1 1.6 −74.0
9	−54.5 1.6 −74.0	−52.9 1.5 −74.0	−51.4 1.6 −73.9	−49.8 1.6 −73.9	−48.2 1.7 −73.9	−46.5 1.6 −73.9	−44.9 1.6 −73.9	−43.3 1.6 −73.8	−41.7 1.7 −73.8	−40.0 1.7 −73.8
10	−38.3 1.6 −73.8	−36.7 1.7 −73.7	−35.0 1.7 −73.7	−33.3 1.7 −73.7	−31.6 1.7 −73.7	−29.9 1.7 −73.7	−28.2 1.7 −73.6	−26.5 1.8 −73.6	−24.7 1.7 −73.6	−23.0 1.8 −73.6
11	−21.2 1.7 −73.6	−19.5 1.8 −73.5	−17.7 1.8 −73.5	−15.9 1.8 −73.5	−14.1 1.8 −73.5	−12.3 1.8 −73.5	−10.5 1.8 −73.5	−8.7 1.9 −73.5	−6.8 1.8 −73.5	−5.0 1.8 −73.5
12	−3.2 1.9 −73.4	−1.3 1.9 −73.4	0.6 1.9 −73.4	2.5 1.8 −73.4	4.3 1.9 −73.3	6.2 1.9 −73.3	8.1 1.9 −73.3	10.0 2.0 −73.3	12.0 1.9 −73.3	13.9 1.9 −73.3
13	15.8 2.0 −73.3	17.8 1.9 −73.3	19.7 2.0 −73.3	21.7 2.0 −73.3	23.7 2.0 −73.2	25.7 2.0 −73.2	27.7 2.0 −73.2	29.7 2.0 −73.2	31.7 2.0 −73.2	33.7 2.0 −73.2

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 37.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
14	35.7 2.0 −73.1	37.7 2.1 −73.1	39.8 2.0 −73.1	41.8 2.1 −73.1	43.9 2.1 −73.1	46.0 2.0 −73.1	48.0 2.1 −73.0	50.1 2.1 −73.0	52.2 2.1 −73.0	54.3 2.1 −73.0
15	56.4 2.1 −73.0	58.5 2.2 −72.9	60.7 2.1 −72.9	62.8 2.1 −72.9	64.9 2.2 −72.9	67.1 2.2 −72.9	69.3 2.2 −72.9	71.5 2.1 −72.9	73.6 2.2 −72.8	75.8 2.2 −72.8
16	78.0 2.2 −72.8	80.2 2.2 −72.8	82.4 2.3 −72.8	84.7 2.2 −72.8	86.9 2.2 −72.8	89.1 2.3 −72.8	91.4 2.2 −72.8	93.6 2.3 −72.7	95.9 2.2 −72.7	98.1 2.3 −72.7
17	100.4 2.3 −72.7	102.7 2.4 −72.7	105.1 2.3 −72.7	107.4 2.3 −72.7	109.7 2.3 −72.7	112.0 2.3 −72.7	114.3 2.3 −72.6	116.6 2.4 −72.6	119.0 2.3 −72.6	121.3 2.4 −72.6
18	123.7 2.4 −72.6	126.1 2.4 −72.6	128.5 2.4 −72.6	130.9 2.3 −72.6	133.2 2.4 −72.5	135.6 2.5 −72.5	138.1 2.4 −72.5	140.5 2.4 −72.5	142.9 2.4 −72.5	145.3 2.5 −72.5
19	147.8 2.4 −72.5	150.2 2.5 −72.4	152.7 2.5 −72.4	155.2 2.4 −72.4	157.6 2.5 −72.4	160.1 2.5 −72.4	162.6 2.5 −72.4	165.1 2.5 −72.4	167.6 2.4 −72.4	170.2 2.5 −72.4
20	172.7 2.5 −72.4	175.2 2.5 −72.4	177.7 2.6 −72.3	180.3 2.5 −72.3	182.8 2.6 −72.3	185.4 2.6 −72.3	188.0 2.6 −72.3	190.6 2.6 −72.3	193.2 2.6 −72.3	195.8 2.6 −72.3
21	198.4 2.6 −72.3	201.0 2.6 −72.3	203.6 2.6 −72.3	206.2 2.6 −72.2	208.8 2.6 −72.2	211.4 2.7 −72.2	214.1 2.7 −72.2	216.8 2.7 −72.2	219.5 2.6 −72.2	222.1 2.7 −72.2

TABLE 2 —$10^5\Delta_{s,t}$ FOR SALINITY 37.00—Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
22....	224.8 2.7 −72.2	227.5 2.7 −72.2	230.2 2.7 −72.2	232.9 2.7 −72.2	235.6 2.7 −72.1	238.3 2.7 −72.1	241.0 2.8 −72.1	243.8 2.7 −72.1	246.5 2.8 −72.1	249.3 2.7 −72.1
23....	252.0 2.8 −72.1	254.8 2.8 −72.1	257.6 2.8 −72.1	260.4 2.8 −72.1	263.2 2.7 −72.1	265.9 2.8 −72.0	268.7 2.8 −72.0	271.5 2.8 −72.0	274.3 2.9 −72.0	277.2 2.8 −72.0
24....	280.0 2.9 −72.0	282.9 2.8 −72.0	285.7 2.9 −72.0	288.6 2.8 −72.0	291.4 2.9 −72.0	294.3 2.9 −72.0	297.2 2.9 −72.0	300.1 2.9 −72.0	303.0 2.9 −72.0	305.9 2.9 −72.0
25....	308.8 2.9 −72.0	311.7 2.9 −71.9	314.6 2.9 −71.9	317.5 3.0 −71.9	320.5 2.9 −71.9	323.4 3.0 −71.9	326.4 3.0 −71.9	329.4 3.0 −71.9	332.4 3.0 −71.9	335.3 3.0 −71.9
26....	338.3 3.0 −71.9	341.3 3.0 −71.9	344.3 3.0 −71.9	347.3 3.0 −71.9	350.3 3.1 −71.9	353.4 3.0 −71.9	356.4 3.0 −71.9	359.4 3.1 −71.9	362.5 3.0 −71.9	365.5 3.0 −71.8
27....	368.5 3.1 −71.8	371.6 3.1 −71.8	374.7 3.1 −71.8	377.8 3.1 −71.8	380.9 3.1 −71.8	384.0 3.1 −71.8	387.1 3.1 −71.8	390.2 3.1 −71.8	393.3 3.1 −71.8	396.4 3.2 −71.8
28....	399.6 3.1 −71.8	402.7 3.2 −71.8	405.9 3.1 −71.8	409.0 3.2 −71.8	412.2 3.2 −71.8	415.4 3.1 −71.8	418.5 3.2 −71.7	421.7 3.2 −71.7	424.9 3.2 −71.7	428.1 3.2 −71.7
29....	431.3 3.2 −71.7	434.5 3.2 −71.7	437.7 3.3 −71.7	441.0 3.2 −71.7	444.2 3.2 −71.7	447.4 3.3 −71.7	450.7 3.2 −71.7	453.9 3.3 −71.7	457.2 3.3 −71.7	460.5 3.3 −71.7

TABLE 2 - $10^5 \Delta_{st}$ FOR SALINITY 37.00-Continued

T	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
30---	463.80 3.[illegible] -71.7[illegible]	467.09 3.30 -71.72	470.39 3.30 -71.7[illegible]	473.69 3.31 -71.71	477.00 3.32 -71.71	480.32 3.33 -71.71	483.64 3.33 -71.71	486.98 3.34 -71.70	490.32 3.3 -71.70	[illegible] [illegible] -71.7[illegible]
31---	497.0[illegible] 3.36 -71.70	[illegible].32 3.37 -71.70	503.7[illegible] 3.38 -71.69	507.13 3.38 -71.69	510.51 3.39 -71.69	513.90 3.40 -71.69	517.30 3.41 -71.69	520.70 3.41 -71.69	524.12 3.42 -71.68	[illegible] 3.4[illegible] -71.68
32---	530.97 3.43 -71.68	534.40 3.44 -71.68	537.84 3.4[illegible] -71.68	541.29 3.46 -71.68	544.75 3.46 -71.68	548.21 3.47 -71.68	551.69 3.48 -71.68	555.16 3.49 -71.68	558.65 3.49 -71.67	562.14 3.50 -71.67
33---	565.64 3.51 -71.67	569.15 3.52 -71.67	572.67 3.52 -71.67	576.19 3.53 -71.67	579.72 3.54 -71.67	583.26 3.54 -71.67	586.80 3.5[illegible] -71.67	590.35 3.56 -71.67	593.91 3.57 -71.67	597.48 3.57 -71.67
34---	601.05 3.58 -71.67	604.63 3.59 -71.67	608.22 3.60 -71.67	611.82 3.60 -71.67	615.42 3.61 -71.67	619.03 3.62 -71.67	622.65 3.62 -71.68	626.27 3.63 -71.68	629.90 3.64 -71.68	633.54 3.65 -71.68
35---	637.19 3.65 -71.63	640.84 3.56 -71.68	644.[illegible] 3.67 -71.68	648.17 3.68 -71.68	651.85 3.68 -71.68	655.53 3.69 -71.68	659.22 3.70 -71.69	662.92 3.70 -71.69	666.62 3.71 -71.69	670.33 3.72 -71.69

TABLE 3. Temperature Interpolation for Table 2

T Difference	T 0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
0.2	.0	.0	.1	.1	.1	.1	.1	.2	.2
0.3	.0	.1	.1	.1	.2	.2	.2	.2	.3
0.4	.0	.1	.1	.2	.2	.2	.3	.3	4
0.5	.0	.1	.2	.2	.2	.3	.4	.4	.4
0.6	.1	.1	.2	.2	.3	.4	.4	.5	.5
0.7	.1	.1	.2	.3	.4	.4	.5	.6	.6
0.8	.1	.2	.2	.3	.4	.5	.6	.6	.7
0.9	.1	.2	.3	.4	.4	.5	.6	.7	.8
1.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
1.1	.1	.2	.3	.4	.6	.7	.8	.9	1.0
1.2	.1	.2	.4	.5	.6	.7	.8	1.0	1.1
1.3	.1	.3	.4	.5	.6	.8	.9	1.0	1.2
1.4	.1	.3	.4	.6	.7	.8	1.0	1.1	1.3
1.5	.2	.3	.4	.6	.8	.9	1.0	1.2	1.4
1.6	.2	.3	.5	.6	.8	1.0	1.1	1.3	1.4
1.7	.2	.3	.5	.7	.8	1.0	1.2	1.4	1.5
1.8	.2	.4	.5	.7	.9	1.1	1.3	1.4	1.6
1.9	.2	.4	.6	.8	1.0	1.1	1.3	1.5	1.7
2.0	.2	.4	.6	.8	1.0	1.2	1.4	1.6	1.8
2.1	.2	.4	.6	.8	1.0	1.3	1.5	1.7	1.9
2.2	.2	.4	.7	.9	1.1	1.3	1.5	1.8	2.0
2.3	.2	.5	.7	.9	1.2	1.4	1.6	1.8	2.1
2.4	.2	.5	.7	1.0	1.2	1.4	1.7	1.9	2.2
2.5	.2	.5	.8	1.0	1.2	1.5	1.8	2.0	2.2
2.6	.3	.5	.8	1.0	1.3	1.6	1.8	2.1	2.3
2.7	.3	.5	.8	1.1	1.4	1.6	1.9	2.2	2.4
2.8	.3	.6	.8	1.1	1.4	1.7	2.0	2.2	2.5
2.9	.3	.6	.9	1.2	1.4	1.7	2.0	2.3	2.6
3.0	.3	.6	.9	1.2	1.5	1.8	2.1	2.4	2.7
3.1	.3	.6	.9	1.2	1.6	1.9	2.2	2.5	2.8
3.2	.3	.6	1.0	1.3	1.6	1.9	2.2	2.6	2.9
3.3	.3	.7	1.0	1.3	1.7	2.0	2.3	2.6	3.0

(Sverdrup, 1933)

TABLE 4.—Salinity Interpolation for Table 2

S	S Difference														
	−71.5	−72.0	−72.5	−73.0	−73.5	−74.0	−74.5	−75.0	−75.5	−76.0	−76.5	−77.0	−77.5	−78.0	−78.5
0.00	0.0	−0.0	−0.0	−0.0	−0.0	−0.0	−0.0	−0.0	−0.0	−0.0	−0.0	−0.0	−0.0	−0.0	−0.0
0.01	−.7	−.7	−.7	−.7	−.7	−.7	−.7	−.7	−.8	−.8	−.8	−.8	−.8	−.8	−.8
0.02	−1.4	−1.4	−1.4	−1.5	−1.5	−1.5	−1.5	−1.5	−1.5	−1.5	−1.5	−1.5	−1.5	−1.6	−1.6
0.03	−2.1	−2.2	−2.2	−2.2	−2.2	−2.2	−2.2	−2.2	−2.3	−2.3	−2.3	−2.3	−2.3	−2.3	−2.3
0.04	−2.9	−2.9	−2.9	−2.9	−2.9	−3.0	−3.0	−3.0	−3.0	−3.0	−3.1	−3.1	−3.1	−3.1	−3.1
0.05	−3.6	−3.6	−3.6	−3.6	−3.7	−3.7	−3.7	−3.7	−3.8	−3.8	−3.8	−3.9	−3.9	−3.9	−3.9
0.06	−4.3	−4.3	−4.3	−4.4	−4.4	−4.4	−4.5	−4.5	−4.5	−4.6	−4.6	−4.6	−4.6	−4.7	−4.7
0.07	−5.0	−5.0	−5.0	−5.1	−5.1	−5.2	−5.2	−5.2	−5.3	−5.3	−5.3	−5.4	−5.4	−5.5	−5.5
0.08	−5.7	−5.8	−5.8	−5.8	−5.9	−5.9	−6.0	−6.0	−6.0	−6.1	−6.1	−6.2	−6.2	−6.2	−6.3
0.09	−6.4	−6.5	−6.5	−6.6	−6.6	−6.7	−6.7	−6.7	−6.8	−6.8	−6.9	−6.9	−7.0	−7.0	−7.1
0.10	−7.2	−7.2	−7.2	−7.3	−7.3	−7.4	−7.4	−7.5	−7.5	−7.6	−7.6	−7.7	−7.7	−7.8	−7.8
0.11	−7.9	−7.9	−8.0	−8.0	−8.1	−8.1	−8.2	−8.2	−8.3	−8.4	−8.4	−8.5	−8.5	−8.6	−8.6
0.12	−8.6	−8.6	−8.7	−8.8	−8.8	−8.9	−8.9	−9.0	−9.1	−9.1	−9.2	−9.2	−9.3	−9.4	−9.4
0.13	−9.3	−9.4	−9.4	−9.5	−9.5	−9.6	−9.7	−9.7	−9.8	−9.9	−9.9	−10.0	−10.1	−10.1	−10.2
0.14	−10.0	−10.1	−10.2	−10.3	−10.4	−10.4	−10.4	−10.5	−10.6	−10.6	−10.7	−10.8	−10.8	−10.9	−11.0
0.15	−10.7	−10.8	−10.9	−10.9	−11.0	−11.1	−11.2	−11.2	−11.3	−11.4	−11.5	−11.6	−11.6	−11.7	−11.8
0.16	−11.4	−11.5	−11.6	−11.7	−11.8	−11.8	−11.9	−12.0	−12.1	−12.2	−12.2	−12.3	−12.4	−12.5	−12.6
0.17	−12.2	−12.2	−12.3	−12.5	−12.5	−12.6	−12.7	−12.7	−12.8	−12.9	−13.0	−13.1	−13.2	−13.3	−13.3
0.18	−12.9	−13.0	−13.1	−13.1	−13.2	−13.3	−13.4	−13.5	−13.6	−13.7	−13.8	−13.9	−14.0	−14.0	−14.1
0.19	−13.6	−13.7	−13.8	−13.9	−14.0	−14.1	−14.1	−14.2	−14.3	−14.4	−14.5	−14.6	−14.7	−14.8	−14.9
0.20	−14.3	−14.4	−14.5	−14.6	−14.7	−14.8	−14.9	−15.0	−15.1	−15.2	−15.3	−15.4	−15.5	−15.6	−15.7
0.21	−15.0	−15.1	−15.2	−15.3	−15.4	−15.5	−15.6	−15.7	−15.8	−16.0	−16.1	−16.2	−16.3	−16.4	−16.5
0.22	−15.7	−15.8	−15.9	−16.1	−16.2	−16.3	−16.4	−16.5	−16.6	−16.7	−16.8	−16.9	−17.1	−17.2	−17.3
0.23	−16.4	−16.6	−16.7	−16.8	−16.9	−17.0	−17.1	−17.2	−17.4	−17.5	−17.6	−17.7	−17.8	−17.9	−18.1
0.24	−17.2	−17.3	−17.4	−17.5	−17.6	−17.8	−17.9	−18.0	−18.1	−18.2	−18.4	−18.5	−18.6	−18.7	−18.8
0.25	−17.9	−18.0	−18.1	−18.2	−18.4	−18.5	−18.6	−18.7	−18.9	−19.0	−19.1	−19.3	−19.4	−19.5	−19.6
0.26	−18.6	−18.7	−18.8	−19.0	−19.1	−19.2	−19.4	−19.5	−19.6	−19.8	−19.9	−20.0	−20.2	−20.3	−20.4
0.27	−19.3	−19.4	−19.6	−19.7	−19.8	−20.0	−20.1	−20.2	−20.4	−20.5	−20.6	−20.8	−20.9	−21.1	−21.[illegible]
0.28	−20.0	−20.2	−20.3	−20.4	−20.6	−20.7	−20.9	−21.0	−21.1	−21.3	−21.4	−21.6	−21.7	−21.8	−22.0
0.29	−20.7	−20.9	−21.0	−21.1	−21.3	−21.5	−21.6	−21.7	−21.9	−22.0	−22.[illegible]	−22.3	−22.5	−22.6	−22.8
0.30	−21.5	−21.6	−21.7	−21.9	−22.0	−22.2	−22.3	−22.5	−22.6	−22.8	−22.9	−23.1	−23.3	−23.4	−23.6
0.31	−22.2	−22.3	−22.5	−22.6	−22.8	−22.9	−23.1	−23.2	−23.4	−23.6	−23.7	−23.9	−24.0	−24.2	−24.3
0.32	−22.9	−23.0	−23.2	−23.4	−23.5	−23.7	−23.8	−24.0	−24.2	−24.3	−24.5	−24.6	−24.8	−25.0	−25.1
0.33	−23.6	−23.8	−23.9	−24.1	−24.2	−24.4	−24.6	−24.7	−24.9	−25.1	−25.2	−25.4	−25.6	−25.7	−25.9
0.34	−24.3	−24.5	−24.6	−24.8	−25.0	−25.2	−25.3	−25.5	−25.7	−25.8	−26.0	−26.2	−26.4	−26.5	−26.7
0.35	−25.0	−25.2	−25.4	−25.5	−25.7	−25.9	−26.1	−26.2	−26.4	−26.6	−26.8	−27.0	−27.1	−27.3	−27.5
0.36	−25.7	−25.9	−26.1	−26.3	−26.5	−26.6	−26.8	−27.0	−27.2	−27.4	−27.5	−27.7	−27.9	−28.1	−28.3
0.37	−26.5	−26.6	−26.8	−27.0	−27.2	−27.4	−27.6	−27.7	−27.9	−28.1	−28.3	−28.5	−28.7	−28.9	−29.0
0.38	−27.2	−27.4	−27.6	−27.7	−27.9	−28.1	−28.3	−28.5	−28.7	−28.9	−29.1	−29.3	−29.5	−29.6	−29.8
0.39	−27.9	−28.1	−28.3	−28.5	−28.7	−28.9	−29.0	−29.2	−29.4	−29.6	−29.8	−30.0	−30.2	−30.4	−30.6

(Sverdrup, 1933)

TABLE 4.—Salinity Interpolation for Table 2—Continued

S	S Difference														
	−71.5	−72.0	−72.5	−73.0	−73.5	−74.0	−74.5	−75.0	−75.5	−76.0	−76.5	−77.0	−77.5	−78.0	−78.5
0.40	−28.6	−28.8	−29.0	−29.2	−29.4	−29.6	−29.8	−30.0	−30.2	−30.4	−30.6	−30.8	−31.0	−31.2	−31.4
0.41	−29.3	−29.5	−29.7	−29.9	−30.1	−30.3	−30.5	−30.7	−30.9	−31.2	−31.4	−31.6	−31.8	−32.0	−32.2
0.42	−30.0	−30.2	−30.4	−30.7	−30.9	−31.1	−31.3	−31.5	−31.7	−31.9	−32.1	−32.3	−32.6	−32.8	−33.0
0.43	−30.8	−31.0	−31.2	−31.4	−31.6	−31.8	−32.0	−32.2	−32.5	−32.7	−32.9	−33.1	−33.3	−33.5	−33.7
0.44	−31.5	−31.7	−31.9	−32.1	−32.3	−32.6	−32.8	−33.0	−33.2	−33.4	−33.7	−33.9	−34.1	−34.3	−34.5
0.45	−32.2	−32.4	−32.6	−32.8	−33.1	−33.3	−33.5	−33.7	−34.0	−34.2	−34.4	−34.7	−34.9	−35.1	−35.3
0.46	−32.9	−33.1	−33.3	−33.6	−33.8	−34.0	−34.3	−34.5	−34.7	−35.0	−35.2	−35.4	−35.7	−35.9	−36.1
0.47	−33.6	−33.8	−34.1	−34.3	−34.5	−34.8	−35.0	−35.2	−35.5	−35.7	−35.9	−36.2	−36.4	−36.7	−36.9
0.48	−34.3	−34.6	−34.8	−35.0	−35.3	−35.5	−35.8	−36.0	−36.2	−36.5	−36.7	−37.0	−37.2	−37.4	−37.7
0.49	−35.0	−35.3	−35.5	−35.8	−36.0	−36.3	−36.5	−36.7	−37.0	−37.2	−37.5	−37.7	−38.0	−38.2	−38.5
0.50	−35.8	−36.0	−36.2	−36.5	−36.7	−37.0	−37.2	−37.5	−37.7	−38.0	−38.2	−38.5	−38.8	−39.0	−39.2
0.51	−36.5	−36.7	−37.0	−37.2	−37.5	−37.7	−38.0	−38.2	−38.5	−38.8	−39.0	−39.3	−39.5	−39.8	−40.0
0.52	−37.2	−37.4	−37.7	−38.0	−38.2	−38.5	−38.7	−39.0	−39.3	−39.5	−39.8	−40.0	−40.3	−40.6	−40.8
0.53	−37.9	−38.2	−38.4	−38.7	−38.9	−39.2	−39.5	−39.7	−40.0	−40.3	−40.5	−40.8	−41.1	−41.3	−41.6
0.54	−38.6	−38.9	−39.1	−39.4	−39.7	−40.0	−40.2	−40.5	−40.8	−41.0	−41.3	−41.6	−41.9	−42.1	−42.4
0.55	−39.3	−39.6	−39.9	−40.1	−40.4	−40.7	−41.0	−41.2	−41.5	−41.8	−42.1	−42.4	−42.6	−42.9	−43.2
0.56	−40.0	−40.3	−40.6	−40.9	−41.2	−41.4	−41.7	−42.0	−42.3	−42.6	−42.8	−43.1	−43.4	−43.7	−44.0
0.57	−40.8	−41.0	−41.3	−41.6	−41.9	−42.2	−42.5	−42.7	−43.0	−43.3	−43.6	−43.9	−44.2	−44.5	−44.7
0.58	−41.5	−41.8	−42.0	−42.3	−42.6	−42.9	−43.2	−43.5	−43.8	−44.1	−44.4	−44.7	−45.0	−45.2	−45.5
0.59	−42.2	−42.5	−42.8	−43.1	−43.4	−43.7	−43.9	−44.2	−44.5	−44.8	−45.1	−45.4	−45.7	−46.0	−46.3
0.60	−42.9	−43.2	−43.5	−43.8	−44.1	−44.4	−44.7	−45.0	−45.3	−45.6	−45.9	−46.2	−46.5	−46.8	−47.1
0.61	−43.6	−43.9	−44.2	−44.5	−44.8	−45.1	−45.4	−45.7	−46.0	−46.4	−46.7	−47.0	−47.3	−47.6	−47.9
0.62	−44.3	−44.6	−44.9	−45.3	−45.6	−45.9	−46.2	−46.5	−46.8	−47.1	−47.4	−47.7	−48.1	−48.4	−48.7
0.63	−45.0	−45.4	−45.7	−46.0	−46.3	−46.6	−46.9	−47.2	−47.6	−47.9	−48.2	−48.5	−48.8	−49.1	−49.5
0.64	−45.8	−46.1	−46.4	−46.7	−47.0	−47.4	−47.7	−48.0	−48.3	−48.6	−49.0	−49.3	−49.6	−49.9	−50.2
0.65	−46.5	−46.8	−47.1	−47.4	−47.8	−48.1	−48.4	−48.7	−49.1	−49.4	−49.7	−50.1	−50.4	−50.7	−51.0
0.66	−47.2	−47.5	−47.8	−48.2	−48.5	−48.8	−49.2	−49.5	−49.8	−50.2	−50.5	−50.8	−51.2	−51.5	−51.8
0.67	−47.9	−48.2	−48.6	−48.9	−49.2	−49.6	−50.0	−50.2	−50.6	−50.9	−51.2	−51.6	−51.9	−52.3	−52.6
0.68	−48.6	−49.0	−49.3	−49.6	−50.0	−50.3	−50.7	−51.0	−51.3	−51.7	−52.0	−52.4	−52.7	−53.0	−53.4
0.69	−49.3	−49.7	−50.0	−50.4	−50.7	−51.1	−51.4	−51.7	−52.1	−52.4	−52.8	−53.1	−53.5	−53.8	−54.2

TABLE 4.—Salinity Interpolation for Table 2—Continued

S	S Difference														
	−71.5	−72.0	−72.5	−73.0	−73.5	−74.0	−74.5	−75.0	−75.5	−76.0	−76.5	−77.0	−77.5	−78.0	−78.5
0.70	−50.1	−50.4	−50.7	−51.1	−51.4	−51.8	−52.1	−52.5	−52.8	−53.2	−53.6	−53.9	−54.3	−54.6	−55.0
0.71	−50.8	−51.1	−51.5	−51.8	−52.2	−52.5	−52.9	−53.2	−53.6	−54.0	−54.3	−54.7	−55.0	−55.4	−55.7
0.72	−51.5	−51.8	−52.2	−52.6	−52.9	−53.3	−53.6	−54.0	−54.4	−54.7	−55.1	−55.4	−55.8	−56.2	−56.5
0.73	−52.2	−52.6	−53.0	−53.3	−53.6	−54.0	−54.[illegible]	−54.7	−55.1	−55.5	−55.8	−56.2	−56.6	−56.9	−57.3
0.74	−52.9	−53.3	−53.6	−54.0	−54.4	−54.8	−55.[illegible]	−55.5	−55.9	−56.2	−56.6	−57.0	−57.4	−57.7	−58.1
0.75	−53.6	−54.0	−54.4	−54.7	−55.1	−55.5	−55.8	−56.2	−56.6	−57.0	−57.4	−57.8	−58.1	−58.5	−58.9
0.76	−54.3	−54.7	−55.1	−55.5	−55.9	−56.2	−56.6	−57.0	−57.4	−57.8	−58.1	−58.5	−58.9	−59.3	−59.7
0.77	−55.1	−55.4	−55.8	−56.2	−56.6	−57.0	−57.4	−57.7	−58.1	−58.5	−58.9	−59.3	−59.7	−60.1	−60.4
0.78	−55.8	−56.2	−56.5	−56.9	−57.3	−57.7	−58.1	−58.5	−58.9	−59.3	−59.7	−60.1	−60.5	−60.8	−61.2
0.79	−56.5	−56.9	−57.2	−57.7	−58.1	−58.5	−58.8	−59.2	−59.6	−60.0	−60.4	−60.8	−61.2	−61.6	−62.0
0.80	−57.2	−57.6	−58.0	−58.4	−58.8	−59.2	−59.6	−60.0	−60.4	−60.8	−61.2	−61.6	−62.0	−62.4	−62.8
0.81	−57.9	−58.3	−58.7	−59.1	−59.5	−59.9	−60.3	−60.7	−61.1	−61.6	−62.0	−62.4	−62.8	−63.2	−63.6
0.82	−58.6	−59.0	−59.4	−59.9	−60.3	−60.7	−61.1	−61.5	−61.9	−62.3	−62.7	−63.1	−63.6	−64.0	−64.4
0.83	−59.3	−59.8	−60.2	−60.6	−61.0	−61.4	−61.8	−62.2	−62.7	−63.1	−63.5	−63.9	−64.3	−64.7	−65.1
0.84	−60.1	−60.5	−60.9	−61.3	−61.7	−62.2	−62.6	−63.0	−63.4	−63.8	−64.3	−64.7	−65.1	−65.5	−65.9
0.85	−60.8	−61.2	−61.6	−62.0	−62.5	−62.9	−63.3	−63.7	−64.2	−64.6	−65.0	−65.5	−65.9	−66.3	−66.7
0.86	−61.5	−61.9	−62.3	−62.8	−63.2	−63.6	−64.1	−64.5	−64.9	−65.4	−65.8	−66.2	−66.7	−67.1	−67.5
0.87	−62.2	−62.6	−63.1	−63.5	−64.0	−64.4	−64.8	−65.2	−65.7	−66.1	−66.5	−67.0	−67.4	−67.9	−68.3
0.88	−62.9	−63.4	−63.8	−64.2	−64.7	−65.1	−65.6	−66.0	−66.4	−66.9	−67.3	−67.8	−68.2	−68.6	−69.1
0.89	−63.6	−64.1	−64.5	−65.0	−65.4	−65.9	−66.3	−66.7	−67.2	−67.6	−68.1	−68.5	−69.0	−69.4	−69.9
0.90	−64.4	−64.8	−65.2	−65.7	−66.1	−66.6	−67.0	−67.5	−67.9	−68.4	−68.8	−69.3	−69.8	−70.2	−70.6
0.91	−65.1	−65.5	−66.0	−66.4	−66.9	−67.3	−67.8	−68.2	−68.7	−69.2	−69.6	−70.1	−70.5	−71.0	−71.4
0.92	−65.8	−66.2	−66.7	−67.2	−67.6	−68.0	−68.5	−69.0	−69.5	−69.9	−70.4	−70.8	−71.3	−71.8	−72.2
0.93	−66.5	−67.0	−67.4	−67.9	−68.3	−68.8	−69.3	−69.7	−70.2	−70.7	−71.1	−71.6	−72.1	−72.5	−73.0
0.94	−67.2	−67.7	−68.1	−68.6	−69.1	−69.6	−70.0	−70.5	−71.0	−71.4	−71.9	−72.4	−72.9	−73.3	−73.8
0.95	−67.9	−68.4	−68.9	−69.3	−69.8	−70.3	−70.8	−71.2	−71.7	−72.2	−72.7	−73.2	−73.6	−74.1	−74.6
0.96	−68.6	−69.1	−69.6	−70.0	−70.5	−71.0	−71.5	−72.0	−72.5	−73.0	−73.4	−73.9	−74.4	−74.9	−75.4
0.97	−69.4	−69.8	−70.3	−70.8	−71.3	−71.8	−72.3	−72.7	−73.2	−73.7	−74.2	−74.7	−75.2	−75.7	−76.1
0.98	−70.1	−70.6	−71.0	−71.5	−72.0	−72.5	−73.0	−73.5	−74.0	−74.5	−75.0	−75.5	−76.0	−76.4	−76.9
0.99	−70.8	−71.3	−71.8	−72.3	−72.8	−73.3	−73.7	−74.2	−74.7	−75.2	−75.7	−76.2	−76.7	−77.2	−77.7

TABLE 5.—Temperature-Depth Term, $10^5\delta_{t,p}$ of Anomaly of Specific Volume for Values of Temperature and Depth

Example:
Given depth 800 m. and temperature 4.55° C.
From table $10^5\delta_{t,p}$=8.8

Depth (Meters)	Temperature									
	-2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	-0.1	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.1	0.1
20	-0.1	-0.1	-0.1	-0.0	-0.0	0.0	0.1	0.1	0.1	0.1
25	-0.1	-0.1	-0.1	-0.0	0.0	0.0	0.1	0.1	0.1	0.2
30	-0.2	-0.1	-0.1	-0.0	0.0	0.0	0.1	0.1	0.2	0.2
50	-0.3	-0.2	-0.1	-0.1	0.0	0.1	0.1	0.2	0.3	0.3
75	-0.4	-0.3	-0.2	-0.1	-0.0	0.1	0.2	0.3	0.4	0.5
100	-0.5	-0.4	-0.3	-0.1	-0.0	0.1	0.3	0.4	0.5	0.6
150	-0.8	-0.6	-0.4	-0.2	-0.0	0.2	0.4	0.6	0.8	1.0
200	-1.1	-0.8	-0.6	-0.3	-0.0	0.3	0.5	0.8	1.0	1.3
250	-1.4	-1.0	-0.7	-0.3	0.0	0.3	0.7	1.0	1.3	1.6
300	-1.7	-1.3	-0.8	-0.4	0.0	0.4	0.8	1.2	1.6	1.9
400	-2.2	-1.7	-1.1	-0.5	0.0	0.5	1.1	1.6	2.1	2.6
500	-2.8	-2.1	-1.4	-0.7	-0.0	0.7	1.3	2.0	2.6	3.2
600	-3.3	-2.5	-1.6	-0.8	0.0	0.8	1.6	2.3	3.1	3.8
700	-3.9	-2.9	-1.9	-0.9	-0.0	0.9	1.8	2.7	3.6	4.4
800	-4.4	-3.3	-2.2	-1.1	-0.0	1.1	2.1	3.1	4.1	5.0
1000	-5.5	-4.1	-2.7	-1.3	-0.0	1.3	2.6	3.8	5.1	6.3
1200	-6.6	-4.9	-3.2	-1.6	-0.0	1.6	3.1	4.6	6.0	7.5
1500	-8.1	-6.0	-4.0	-2.0	-0.0	1.9	3.8	5.7	7.5	9.2
2000	-10.6	-7.9	-5.2	-2.6	-0.0	2.5	5.0	7.4	9.8	12.1

(Sverdrup, 1933)

TABLE 5.—Temperature-Depth Term, $10^5\delta_{t,p}$ of Anomaly of Specific Volume for Values of Temperature and Depth—Continued

Depth (Meters)	Temperature									
	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
25	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
30	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5
50	0.4	0.4	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9
75	0.6	0.7	0.8	0.8	0.9	1.0	1.1	1.2	1.2	1.3
100	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7
150	1.1	1.3	1.5	1.7	1.8	2.0	2.2	2.3	2.5	2.6
200	1.5	1.8	2.0	2.2	2.4	2.7	2.9	3.1	3.3	3.5
250	1.9	2.2	2.5	2.8	3.0	3.3	3.6	3.8	4.1	4.3
300	2.3	2.6	3.0	3.3	3.6	4.0	4.3	4.6	4.9	5.2
400	3.0	3.5	4.0	4.4	4.8	5.3	5.7	6.1	6.5	6.9
500	3.8	4.4	4.9	5.5	6.0	6.6	7.1	7.6	8.1	8.6
600	4.5	5.2	5.9	6.6	7.2	7.9	8.5	9.1	9.7	10.3
700	5.3	6.1	6.9	7.6	8.4	9.1	9.9	10.6	11.3	11.9
800	6.0	6.9	7.8	8.7	9.6	10.4	11.2	12.0	12.8	13.6
1000	7.4	8.6	9.7	10.8	11.9	12.9	13.9	14.9	15.9	16.9
1200	8.9	10.2	11.6	12.9	14.2	15.4	16.6	17.8	19.0	20.1
1500	11.0	12.7	14.3	15.9	17.5	19.1	20.6	22.0	23.5	24.9
2000	14.4	16.6	18.8	20.9	23.0	25.0	27.0	28.9	30.8	32.6

TABLE 5.—Temperature-Depth Term, $10^5\delta_{t,p}$, of Anomaly of Specific Volume for Values of Temperature and Depth—Continued

Depth (Meters)	Temperature									
	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
20	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
25	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7
30	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8
50	0.9	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3
75	1.4	1.4	1.5	1.6	1.7	1.7	1.8	1.8	1.9	2.0
100	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.4	2.5	2.6
150	2.8	2.9	3.0	3.2	3.3	3.4	3.5	3.7	3.8	3.9
200	3.7	3.8	4.0	4.2	4.4	4.6	4.7	4.9	5.0	5.2
250	4.6	4.8	5.0	5.3	5.5	5.7	5.9	6.1	6.3	6.5
300	5.5	5.8	6.0	6.3	6.6	6.8	7.1	7.3	7.5	7.8
400	7.3	7.6	8.0	8.4	8.7	9.0	9.4	9.7	10.0	10.3
500	9.1	9.5	10.0	10.4	10.8	11.3	11.7	12.1	12.5	12.8
600	10.8	11.4	11.9	12.5	13.0	13.5	14.0	14.4	14.9	15.4
700	12.6	13.2	13.9	14.5	15.1	15.7	16.2	16.8	17.3	17.9
800	14.4	15.1	15.8	16.5	17.2	17.8	18.5	19.1	19.7	20.3
1000	17.8	18.7	19.6	20.5	21.3	22.1	23.0	23.7	24.5	25.2
1200	21.2	22.3	23.4	24.4	25.4	26.4	27.4	28.3	29.2	30.1
1500	26.3	27.6	28.9	30.2	31.4	32.7	33.8	35.0	36.1	37.2
2000	34.4	36.2	37.9	39.6	41.2	42.8	44.4	45.9	4.73	48.8

TABLE 5.—Temperature-Depth Term, $10^5\delta_{t,p}$ of Anomaly of Specific Volume for Values of Temperature and Depth—Continued

Depth (Meters)	Temperature									
	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
20	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7
25	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
30	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0
50	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6
75	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4
100	2.7	2.8	2.8	2.9	3.0	3.0	3.1	3.1	3.2	3.3
150	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9
200	5.3	[illegible]	5.6	5.8	5.9	6.0	6.1	6.3	6.4	6.5
250	6.7	6.8	7.0	7.2	7.4	7.5	7.7	7.8	8.0	8.1
300	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.5	9.7
400	10.6	10.9	11.2	11.4	11.7	12.0	12.2	12.5	12.7	12.9
500	13.2	13.6	13.9	14.3	14.6	14.9	15.2	15.5	15.8	16.1
600	15.8	16.2	16.6	17.0	17.4	17.8	18.2	18.6	18.9	19.2
700	18.4	18.9	19.3	19.8	20.3	20.7	21.2	21.6	22.0	22.4
800	20.9	21.5	22.0	22.6	23.1	23.6	24.1	24.6	25.0	25.5
1000	26.0	26.7	27.4	28.0	28.7	29.3	29.9	3.05	31.1	31.6
1200	30.9	31.8	32.6	33.4	34.2	34.9	35.6	36.4	37.0	37.7
1500	38.3	39.3	40.3	41.3	42.3	43.2	44.1	45.0	45.8	46.7
2000	50.2	51.5	52.9	54.2	55.4	56.6	57.8	59.0	60.1	61.2

Table 44.5.—Temperature-Depth Term, $10^5\delta_{t,p}$, of Anomaly of Specific Volume for Values of Temperature and Depth—Continued

Depth (Meters)	Temperature									
	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
20	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8
25	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
30	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
50	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9
75	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.8	2.8	2.8
100	3.3	3.4	[illegible]	3.5	3.5	3.6	3.6	3.7	3.7	3.7
150	5.0	5.1	5.1	[illegible]	5.3	5.4	5.4	5.5	5.6	5.6
200	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5
250	8.3	8.4	8.5	8.6	8.8	8.9	9.0	9.1	9.2	9.3
300	9.9	10.0	10.2	10.4	10.5	10.6	10.8	10.9	11.0	11.2
400	13.1	13.4	13.6	13.8	14.0	14.1	14.3	14.5	14.7	14.8
500	16.4	16.6	16.9	17.1	17.4	17.6	17.9	18.1	18.3	18.5
600	19.6	19.9	20.2	20.5	20.8	21.1	21.4	21.6	21.9	22.1
700	22.8	23.1	23.5	23.8	24.2	24.5	24.8	25.1	25.4	25.7
800	25.9	26.3	26.8	27.2	27.5	27.9	28.3	28.6	29.0	29.3
1000	32.2	32.7	33.2	33.7	34.2	34.7	35.1	35.[illegible]	36.0	36.4
1200	38.4	39.0	39.6	40.2	40.8	41.3	41.9	42.4	42.9	43.4
1500	47.[illegible]	48.2	49.0	49.7	50.4	51.1	51.8	52.4	53.1	53.7
2000	62.2	63.3	64.2	65.2	66.1	67.1	67.9	68.8	69.6	70.4

TABLE 5.—Temperature-Depth Term, $10^5\delta_{t,p}$ of Anomaly of Specific Volume for Values of Temperature and Depth—Continued

Depth (Meters)	Temperature									
	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
20	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
25	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
30	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
50	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75	2.8	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.1	3.1
100	3.8	3.8	3.9	3.9	3.9	4.0	4.0	4.0	4.1	4.1
150	5.7	5.7	5.8	5.8	5.9	5.9	6.0	6.0	6.1	6.1
200	7.6	7.6	7.7	7.8	7.8	7.9	8.0	8.0	8.1	8.2
250	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.0	10.1	10.2
300	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2
400	15.0	15.2	15.3	15.5	15.6	15.7	15.9	16.0	16.1	16.2
500	18.7	18.9	19.1	19.3	19.4	19.6	19.8	19.9	20.1	20.2
600	22.4	22.6	22.8	23.0	23.2	23.4	23.1	23.8	24.0	24.2
700	26.0	26.3	26.5	26.8	27.0	27.3	27.5	27.7	27.9	28.1
800	29.6	29.9	30.2	30.5	30.8	31.0	31.3	31.5	31.8	32.0
1000	36.8	37.2	37.5	37.9	38.2	38.6	38.9	39.2	39.5	39.8
1200	43.8	44.3	44.7	45.2	45.6	46.0	46.3	46.7	47.1	47.4
1500	54.3	54.8	55.4	55.9	56.4	56.9	57.4	57.8	58.3	58.7
2000	71.2	71.9	72.6	73.3	74.0	74.7	75.3	75.9	76.5	77.1

TABLE 5.—Temperature-Depth Term, $10^5 \delta_{t,p}$ of Anomaly of Specific Volume for Values of Temperature and Depth—Continued

Depth (Meters)	Temperature									
	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
20	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9
25	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
30	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
50	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2
75	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2
100	4.1	4.1	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3
150	6.2	6.2	6.2	6.3	6.3	6.4	6.4	6.4	6.4	6.5
200	8.2	8.3	8.3	8.4	8.4	8.5	8.5	8.5	8.6	8.6
250	10.3	10.3	10.4	10.4	10.5	10.6	10.6	10.7	10.7	10.8
300	12.3	12.4	12.4	12.5	12.6	12.6	12.7	12.8	12.8	12.9
400	16.3	16.4	16.5	16.6	16.7	16.8	16.9	17.0	17.1	17.1
500	20.3	20.5	20.6	20.7	20.8	20.9	21.1	21.2	21.3	21.3
600	24.3	24.5	24.6	24.8	24.9	25.1	25.2	25.3	25.4	25.5
700	28.3	28.5	28.7	28.8	29.0	29.1	29.3	29.4	29.6	29.7
800	32.2	32.4	32.6	32.8	33.0	33.2	33.4	33.5	33.7	33.9
1000	40.0	40.3	40.5	40.8	41.0	41.3	41.5	41.7	41.9	42.1
1200	47.7	48.1	48.4	48.7	48.9	49.2	49.5	49.7	50.0	50.2
1500	59.1	59.5	59.9	60.3	60.6	61.0	61.3	61.6	61.9	62.2
2000	77.6	78.1	78.7	79.1	79.6	80.1	80.5	80.9	81.4	81.8

TABLE 5.—Temperature-Depth Term, $10^5\delta_{s,p}$ of Anomaly of Specific Volume for Values of Temperature and Depth—Continued

Depth (Meters)	Temperature				
	33.0	33.5	34.0	34.5	35.0
0	0.0	0.0	0.0	0.0	0.0
10	0.4	0.4	0.4	0.4	0.4
20	0.9	0.9	0.9	0.9	0.9
25	1.1	1.1	1.1	1.1	1.1
30	1.3	1.3	1.3	1.3	1.3
50	2.2	2.2	2.2	2.2	2.2
75	3.3	3.3	3.3	3.3	3.3
100	4.3	4.4	4.4	4.4	4.4
150	6.5	6.5	6.5	6.6	6.6
200	8.7	8.7	8.7	8.8	8.8
250	10.8	10.8	10.9	10.9	11.0
300	12.9	13.0	13.0	13.1	13.1
400	17.2	17.3	17.3	17.4	17.[illegible]
500	21.4	21.[illegible]	21.6	21.7	21.8
600	25.7	25.8	25.9	25.9	26.0
700	29.8	30.0	30.1	30.2	30.3
800	34.0	34.1	34.3	34.4	34.[illegible]
1000	42.3	42.4	42.6	42.8	42.[illegible]
1[illegible]00	50.4	50.6	50.8	51.0	51.[illegible]
1[illegible]00	6[illegible]	6[illegible].7	63.0	63.3	63.[illegible]
2000	82.1	82.[illegible]	82.9	83.2	83.[illegible]

TABLE 5.—Temperature-Depth Term, $10^5\delta_{t,p}$ of Anomaly of Specific Volume for Values of Temperature and Depth—Continued

Depth (Meters)	Temperature									
	-2.0	-1.8	-1.6	-1.4	-1.2	-1.0	-0.8	-0.6	-0.4	-0.2
2500	-13.1	-11.7	-10.4	-9.0	-7.7	-6.4	-5.1	-3.8	-2.5	-1.3
3000	-15.4	-13.8	-12.2	-10.7	-9.1	-7.6	-6.0	-4.[illegible]	-3.0	-1.5
4000	-19.9	-17.8	-15.8	-13.8	-11.7	-9.7	-7.8	-5.8	-3.8	-1.9
5000	-24.0	-21.6	-19.1	-16.6	-14.2	-11.8	-9.4	-7.0	-4.7	-2.3
6000	-27.9	-24.0	-22.1	-19.3	-16.5	-13.7	-10.9	-8.1	-5.4	-2.7
7000	-31.6	-28.2	-25.0	-21.8	-18.6	-15.4	-12.3	-9.2	-6.1	-3.0
8000	-34.8	-31.2	-27.6	-24.1	-20.[illegible]	-17.[illegible]	-13.6	-10.1	-6.7	-3.4
9000	-37.9	-34.0	-30.1	-26.2	-22.4	-18.6	-14.8	-11.0	-7.3	-3.7
10000	-40.8	-36.[illegible]	-32.3	-28.2	-24.1	-20.0	-15.9	-11.9	-7.9	-3.9
11000	-43.4	-38.9	-34.5	-30.0	-25.6	-21.3	-16.9	-12.7	-8.4	-4.2
12000	-45.9	-41.1	-36.4	-31.7	-27.1	-22.5	-17.9	-13.4	-8.9	-4.4

TABLE 5.—Temperature-Depth Term, $10^5\delta_{t,p}$, of Anomaly of Specific Volume for Values of Temperature and Depth—Continued

Depth (Meters)	Temperature									
	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8
2000	-0.0	1.2	2.5	3.7	4.9	6.1	7.3	8.5	9.7	10.9
3000	0.0	1.5	2.9	4.4	5.8	7.2	8.7	10.1	11.4	12.8
4000	-0.0	1.9	3.8	5.7	7.5	9.3	11.2	13.0	14.8	16.5
5000	0.0	2.3	4.6	6.8	9.1	11.3	13.5	15.7	17.8	20.0
6000	-0.0	2.7	5.3	7.9	10.5	13.1	15.7	18.2	20.7	23.2
8000	-0.0	3.3	6.6	9.9	13.1	16.3	19.5	22.7	25.8	28.9
9000	0.0	3.6	7.2	10.8	14.3	17.8	21.3	24.7	28.1	31.5
10000	-0.0	3.9	7.8	11.6	15.4	19.1	22.9	26.6	30.3	33.9
11000	-0.0	4.1	8.3	12.3	16.4	20.4	24.4	28.3	32.2	36.1
12000	-0.0	4.4	8.7	13.1	17.3	21.6	25.8	30.0	34.1	38.2

TABLE 5.—Temperature-Depth Term, $10^5\delta_{t,p}$ of Anomaly of Specific Volume for Values of Temperature and Depth—Continued

Depth (Meters)	Temperature									
	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8
2500	12.0	13.2	14.3	15.4	16.6	17.7	18.8	19.8	20.9	22.0
3000	14.2	15.5	16.9	18.2	19.5	20.8	22.1	23.4	24.7	25.9
4000	18.3	20.0	21.8	23.5	25.2	26.9	28.5	30.2	31.8	33.4
5000	22.1	24.2	26.3	28.4	30.4	32.5	34.5	36.5	38.5	40.4
6000	25.6	28.1	30.5	32.9	35.3	37.7	40.0	42.3	44.6	46.9
7000	28.9	31.7	34.4	37.2	39.8	42.5	45.2	47.8	50.4	52.9
8000	32.0	35.1	38.1	41.1	44.1	47.0	49.9	52.8	55.7	58.6
9000	34.9	38.2	41.5	44.7	48.0	51.2	54.4	57.5	60.7	63.8
10000	37.5	41.1	44.6	48.2	51.6	55.1	58.5	61.9	65.3	68.6
11000	40.0	43.8	47.6	51.3	55.1	58.7	62.4	66.0	69.6	73.2
12000	42.3	46.3	50.3	54.3	58.2	62.1	66.0	69.9	73.7	77.4

TABLE 5.—Temperature-Depth Term, $10^5\delta_{t,p}$ of Anomaly of Specific Volume for Values of Temperature and Depth—Continued

Depth (Meters)	Temperature									
	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8
2500--------------	23.0	24.1	25.1	26.2	27.2	28.2	29.2	30.2	31.2	32.2
3000--------------	27.2	28.4	29.7	30.9	32.1	33.3	34.5	35.6	36.8	37.9
4000--------------	35.1	36.6	38.2	39.8	41.3	42.9	44.4	45.9	47.4	48.9
5000--------------	42.4	44.3	46.2	48.1	50.0	51.8	53.7	55.5	57.3	59.1
6000--------------	49.2	51.4	53.6	55.8	58.0	60.2	62.3	64.4	66.5	68.6
7000--------------	55.5	58.0	60.5	63.0	65.5	67.9	70.3	72.7	75.1	77.4
8000--------------	61.4	64.2	66.9	69.7	72.4	75.1	77.8	80.4	83.1	85.7
9000--------------	66.9	69.9	72.9	75.9	78.9	81.7	84.8	87.6	90.5	93.4
10000--------------	72.0	75.2	78.5	81.8	84.9	88.1	91.3	94.4	97.5	100.5
11000--------------	76.7	80.2	83.7	87.2	90.6	94.0	97.3	100.7	104.0	107.2
12000--------------	81.2	84.9	88.6	92.3	95.9	99.5	103.0	106.6	110.1	113.5

TABLE 5.—Temperature-Depth Term, $10^5\delta_{t,p}$ of Anomaly of Specific Volume for Values of Temperature and Depth—Continued

Depth (Meters)	Temperature									
	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8
2500	33.1	34.1	35.0	36.0	36.9	37.8	38.7	39.6	40.5	41.4
3000	39.1	40.2	41.3	42.4	43.5	44.6	45.7	46.8	47.8	48.9
4000	50.4	51.8	53.3	54.7	56.1	57.5	58.9	60.3	61.7	63.0
5000	60.9	62.6	64.4	66.1	67.8	69.5	71.2	72.9	74.5	76.2
6000	70.7	72.7	74.7	76.7	78.7	80.7	82.7	84.6	86.5	88.4
7000	79.8	82.1	84.4	86.6	88.9	91.1	93.3	95.5	97.7	99.8
8000	88.3	90.8	93.4	95.9	98.4	100.8	103.3	105.7	108.1	110.5
9000	96.2	99.0	101.7	104.5	107.2	109.9	112.6	115.2	117.8	120.4
10000	103.6	106.6	109.6	112.5	115.5	118.4	121.2	124.1	126.9	129.7
11000	110.5	113.7	116.9	120.1	123.2	126.3	129.4	132.5	135.5	138.5
12000	117.0	120.4	123.8	127.2	130.5	133.8	137.1	140.3	143.5	146.7

TABLE 5.—Temperature-Depth Term, $10^5\delta_{t,p}$, of Anomaly of Specific Volume for Values of Temperature and Depth—Continued

Depth (Meters)	Temperature									
	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8
2500	42.3	43.2	44.0	44.9	45.7	46.6	47.4	48.2	49.0	49.8
3000	49.9	50.9	52.0	53.0	54.0	55.0	55.9	56.9	57.9	58.8
4000	64.3	65.7	67.0	68.3	69.6	70.8	72.1	73.4	74.6	75.8
5000	77.8	79.4	81.0	82.5	84.1	85.6	87.2	88.7	90.2	91.7
6000	90.3	92.2	94.0	95.8	97.6	99.4	101.2	103.0	104.7	106.4
7000	102.0	104.1	106.1	108.2	110.3	112.3	114.3	116.3	118.3	120.2
8000	112.8	115.2	117.5	119.8	122.0	124.3	126.5	128.7	130.9	133.1
9000	123.0	125.5	128.1	130.6	133.1	135.5	138.0	140.4	142.8	145.1
10000	132.5	135.3	138.0	140.7	143.4	146.1	148.7	151.3	153.9	156.5
11000	141.5	144.4	147.3	150.3	153.1	156.0	158.8	161.6	164.4	167.2
12000	149.9	153.1	156.2	159.3	162.3	165.4	168.4	171.4	174.3	177.3

TABLE 5.—Temperature-Depth Term, $10^5\delta_{t,p}$ of Anomaly of Specific Volume for Values of Temperature and Depth—Continued

Depth (Meters)	Temperature									
	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8
2000	50.6	51.4	52.2	53.0	53.8	54.5	55.3	56.0	56.7	57.5
3000	59.8	60.7	61.6	62.5	63.4	64.3	65.2	66.1	66.9	67.8
4000	77.0	78.2	79.4	80.6	81.8	82.9	84.1	85.2	86.3	87.4
5000	93.1	94.6	96.0	97.4	98.9	100.3	101.6	103.0	104.4	105.7
6000	108.1	109.8	111.5	113.2	114.8	116.4	118.0	119.6	121.2	122.8
7000	122.1	124.1	126.0	127.8	129.7	131.5	133.4	135.2	137.0	138.7
8000	135.2	137.4	139.5	141.6	143.6	145.7	147.7	149.7	151.7	153.7
9000	147.5	149.8	152.1	154.4	156.7	158.9	161.2	163.4	165.6	167.7
10000	159.0	161.5	164.0	166.5	169.0	171.4	173.8	176.2	178.6	180.9
11000	169.9	172.6	175.3	178.0	180.6	183.2	185.8	188.4	190.9	193.5
12000	180.2	183.1	185.9	188.8	191.6	194.4	197.2	199.9	202.7	205.4

TABLE 5.—Temperature-Depth Term, $10^5\delta_{s,p}$, of Anomaly of Specific Volume for Values of Temperature and Depth—Continued

Depth (Meters)	Temperature									
	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.4	13.6	13.8
2500	58.2	58.9	59.6	60.3	61.0	61.7	62.3	63.0	63.7	64.3
3000	68.6	69.5	70.3	71.1	72.0	72.8	73.6	74.4	75.1	75.9
4000	88.5	89.6	90.7	91.7	92.8	93.8	94.9	95.9	96.9	97.9
5000	107.0	108.4	109.7	110.9	112.2	113.5	114.7	116.0	117.2	118.4
6000	124.3	125.9	127.4	128.9	130.4	131.8	133.3	134.8	136.2	137.6
7000	140.5	142.2	144.0	145.7	147.4	149.0	150.7	152.3	154.0	155.6
8000	155.6	157.6	159.5	161.4	163.3	165.1	167.0	168.8	170.6	172.4
9000	169.9	172.0	174.1	176.2	178.3	180.3	182.3	184.3	186.3	188.3
10000	183.3	185.6	187.9	190.1	192.4	194.6	196.8	199.0	201.2	203.3
11000	196.0	198.5	200.9	203.4	205.8	208.2	210.6	212.9	215.3	217.6
12000	208.1	210.7	213.4	216.0	218.6	221.2	223.7	226.3	228.8	231.3

TABLE 5.—Temperature-Depth Term, $10^5\delta_{t,p}$ of Anomaly of Specific Volume for Values of Temperature and Depth—Continued

Depth (Meters)	Temperature					
	14.0	14.2	14.4	14.6	14.8	15.0
2000	65.0	65.6	66.[illegible]	[illegible]	67.[illegible]	[illegible].1
3000	76.7	77.4	78.2	[illegible]	79.6	[illegible].4
4000	98.[illegible]	99.6	100.2	101.6	102.7	103.7
5000	119.6	120.8	122.0	123.1	124.3	[illegible]
6000	139.0	140.4	141.8	143.[illegible]	[illegible]	14[illegible].8
7000	157.[illegible]	158.7	160.3	161.8	163.4	164.9
8000	174.2	176.0	177.7	179.4	181.1	18[illegible].3
9000	190.3	192.2	194.1	196.0	197.9	199.8
10000	205.5	207.6	209.7	211.7	213.8	215.8
11000	219.9	222.2	224.5	226.7	229.0	231.2
12000	233.8	236.2	238.7	241.1	243.5	245.9

TABLE 6.—Salinity-Depth Term, $10^5\delta_{s,p}$ of Anomaly of Specific Volume for Values of Salinity and Depth

Depth (Meters)	Salinity										
	10	11	12	13	14	15	16	17	18	19	20
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	-0.4	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3
20	-0.8	-0.7	-0.7	-0.7	-0.7	-0.6	-0.6	-0.5	-0.5	-0.5	-0.5
25	-1.0	-0.9	-0.9	-0.9	-0.8	-0.7	-0.7	-0.7	-0.7	-0.6	-0.5
30	-1.2	-1.1	-1.1	-1.1	-1.0	-0.9	-0.9	-0.8	-0.8	-0.7	-0.7
50	-2.0	-1.9	-1.8	-1.7	-1.7	-1.5	-1.5	-1.4	-1.3	-1.3	-1.1
75	-3.0	-2.9	-2.7	-2.6	-2.5	-2.3	-2.2	-2.1	-2.0	-1.9	-1.7
100	-4.0	-3.8	-3.7	-3.5	-3.3	-3.1	-3.0	-2.8	-2.7	-2.5	-2.3
150	-6.0	-5.7	-5.5	-5.3	-5.0	-4.7	-4.5	-4.3	-4.0	-3.7	-3.5
200	-8.0	-7.7	-7.3	-6.9	-6.6	-6.3	-5.9	-5.7	-5.3	-5.0	-4.7
250	-10.0	-9.5	-9.1	-8.7	-8.3	-7.9	-7.5	-7.1	-6.7	-6.3	-5.8
300	-11.9	-11.5	-10.9	-10.5	-9.9	-9.5	-8.9	-8.5	-7.9	-7.5	-7.0
400	-15.9	-15.3	-14.5	-13.9	-13.2	-12.5	-11.9	-11.3	-10.6	-9.9	-9.3
500	-18.9	-19.0	-18.2	-17.3	-16.5	-15.7	-14.8	-14.1	-13.3	-12.4	-11.6
600	-23.8	-22.8	-21.7	-20.7	-19.7	-18.8	-17.8	-16.8	-15.9	-14.9	-13.9
700	-27.7	-26.5	-25.3	-24.2	-23.0	-21.9	-20.7	-19.5	-18.5	-17.3	-16.2
800	-31.6	-30.3	-28.9	-27.6	-26.3	-24.9	-23.6	-22.3	-21.1	-19.7	-18.5

(Sverdrup, 1933)

TABLE 6.—Salinity-Depth Term, $10^5\delta_{s,p}$, of Anomaly of Specific Volume for Values of Salinity and Depth—Continued

Depth (Meters)	Salinity 21	22	23	24	25	26	27	28	29	30 .00	30 .25	30 .50	30 .75	31 00	31 .25	31 .50	31 .75	32 .00	32 .25	32 .50	32 .75
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	−.2	−.2	−.2	−.2	−.2	−.1	−.1	−.1	−.1	−.1	−.1	−.1	−.1	−.1	−.1	−.1	0.0	0.0	0.0	0.0	0.0
20	−.4	−.4	−.4	−.3	−.3	−.3	−.2	−.2	−.2	−.2	−.1	−.1	−.1	−.1	−.1	−.1	−.1	−.1	−.1	−.1	−.1
25	−.5	−.5	−.5	−.4	−.4	−.3	−.3	−.3	−.2	−.2	−.2	−.2	−.2	−.2	−.1	−.1	−.1	−.1	−.1	−.1	−.1
30	−.6	−.6	−.6	−.5	−.5	−.4	−.4	−.3	−.3	−.2	−.2	−.2	−.2	−.2	−.2	−.2	−.1	−.1	−.1	−.1	−.1
50	−1.1	−1.0	−.9	−.8	−.8	−.7	−.6	−.5	−.5	−.4	−.4	−.3	−.3	−.3	−.3	−.3	−.2	−.2	−.2	−.2	−.2
75	−1.6	−1.5	−1.3	−1.3	−1.2	−1.0	−.9	−.8	−.7	−.6	−.5	−.5	−.5	−.5	−.4	−.4	−.4	−.3	−.3	−.3	−.3
100	−2.2	−2.0	−1.9	−1.7	−1.5	−1.4	−1.2	−1.1	−.9	−.8	−.7	−.7	−.7	−.6	−.6	−.5	−.5	−.5	−.4	−.4	−.4
150	−3.2	−3.0	−2.8	−2.5	−2.3	−2.1	−1.8	−1.6	−1.4	−1.1	−1.1	−1.0	−1.0	−.9	−.8	−.8	−.7	−.7	−.6	−.6	−.5
200	−4.3	−4.0	−3.7	−3.4	−3.1	−2.8	−2.5	−2.2	−1.8	−1.5	−1.4	−1.4	−1.3	−1.2	−1.1	−1.0	−1.0	−.9	−.8	−.7	−.7
250	−5.4	−5.0	−4.5	−4.2	−3.8	−3.5	−3.1	−2.7	−2.3	−1.9	−1.8	−1.7	−1.6	−1.5	−1.4	−1.3	−1.2	−1.1	−1.0	−.9	−.9
300	−6.5	−6.0	−5.6	−5.1	−4.6	−4.2	−3.7	−3.3	−2.8	−2.3	−2.2	−2.1	−2.0	1.8	−1.7	−1.6	−1.5	−1.4	−1.3	−1.1	−1.0
400	−8.7	−8.0	−7.4	−6.8	−6.2	−5.5	−4.9	−4.4	−3.7	−3.0	−2.9	−2.7	−2.6	−2.4	−2.3	−2.1	−2.0	−1.8	−1.7	−1.5	−1.4
500	−10.8	−10.0	−9.2	−8.5	−7.7	−6.9	−6.1	−5.5	−4.6	−3.8	−3.6	−3.4	−3.2	−3.0	−2.9	−2.7	−2.5	−2.3	−2.1	−1.9	−1.7
600	.....	.....	.....	.....	.....	.....	.....	.....	.....	−4.5	−4.3	−4.1	−3.8	−3.6	−3.4	−3.1	−2.9	−2.7	−2.5	−2.2	−2.0
700	.....	.....	.....	.....	.....	.....	.....	.....	.....	−5.3	−5.0	−4.8	−4.5	−4.2	−3.9	−3.7	−3.4	−3.2	−2.9	−2.6	−2.4
800	.....	.....	.....	.....	.....	.....	.....	.....	.....	−6.0	−5.7	−5.4	−5.1	−4.8	−4.5	−4.2	−3.9	−3.6	−3.3	−3.0	−2.7

Depth (Meters)	Salinity 33 .0	33 .1	33 .2	33 .3	33 .4	33 .5	33 .6	33 .7	33 .8	33 .9	34 .0	34 .1	34 .2	34 .3	34 .4	34 .5	34 .6	34 .7	34 .8	34 .9
1,000	−3.0	−2.8	−2.7	−2.5	−2.4	−2.2	−2.1	−1.9	−1.8	−1.6	−1.5	−1.3	−1.2	−1.0	−0.9	−0.7	−0.6	−0.4	−0.3	−0.2
1,200	−3.6	−3.4	−3.2	−3.0	−2.9	−2.7	−2.5	−2.3	−2.2	−2.0	−1.8	−1.6	−1.4	−1.3	−1.1	−.9	−.7	−.6	−.4	−.2
1,500	−4.4	−4.2	−4.0	−3.8	−3.6	−3.3	−3.1	−2.9	−2.7	−2.4	−2.2	−2.0	−1.8	−1.6	−1.3	−1.1	−.9	−.7	−.4	−.2
2,000	−5.8	−5.6	−5.3	−5.0	−4.7	−4.4	−4.1	−3.8	−3.5	−3.2	−2.9	−2.6	−2.3	−2.1	−1.7	−1.5	−1.2	−.9	−.6	−.3
2,500	−7.2	−6.9	−6.5	−6.1	−5.8	−5.4	−5.1	−4.7	−4.3	−4.0	−3.6	−3.2	−2.9	−2.5	−2.2	−1.8	−1.4	−1.1	−.7	−.3
3,000	−8.5	−8.1	−7.7	−7.3	−6.9	−6.5	−6.0	−5.6	−5.2	−4.7	−4.3	−3.9	−3.4	−3.0	−2.6	−2.2	−1.7	−1.3	−.9	−.4
4,000	−11.1	−10.6	−10.1	−9.5	−9.0	−8.4	−7.9	−7.3	−6.8	−6.2	−5.6	−5.0	−4.5	−3.9	−3.4	−2.8	−2.2	−1.7	−1.1	−.6
5,000	−13.8	−13.1	−12.4	−11.7	−11.0	−10.3	−9.6	−9.0	−8.3	−7.6	−6.9	−6.2	−5.5	−4.9	−4.1	−3.4	−2.7	−2.1	−1.4	−.7
10,000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	−7.7	−8.5	−7.3	−6.0	−4.8	−3.6	−2.4	−1.2

TABLE 6.—Salinity-Depth Term, $10^7\delta_{s,p}$, of Anomaly of Specific Volume for Values of Salinity and Depth—Continued

Depth (Meters)	Salinity 33 .00	33 .25	33 .50	33 .75	34 .00	34 .25	34 .50	34 .75	35 .00	35 .25	35 .50	35 .75	36 .00	36 .25	36 .50	36 .75	37 .00	37 .25	37 .50	37 .75	38 .00
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	−.1	−.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.1	.1	.1	.1	.1
25	−.1	−.1	−.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.1	.1	.1	.1	.1	.1	.1
30	−.1	−.1	−.1	−.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.1	.1	.1	.1	.1	.1	.1	.1
50	−.2	−.1	−.1	−.1	−.1	−.1	0.0	0.0	0.0	0.0	0.0	.1	.1	.1	.1	.1	.1	.2	.2	.2	.2
75	−.2	−.2	−.2	−.1	−.1	−.1	−.1	0.0	0.0	0.0	.1	.1	.1	.1	.2	.2	.2	.2	.3	.3	.3
100	−.3	−.3	−.2	−.2	−.2	−.1	−.1	0.0	0.0	0.0	.1	.1	.1	.2	.2	.2	.3	.3	.4	.4	.4
150	−.5	−.4	−.3	−.3	−.2	−.2	−.1	−.1	0.0	.1	.1	.2	.2	.3	.3	.4	.4	.5	.6	.6	.7
200	−.6	−.5	−.4	−.4	−.3	−.2	−.1	−.1	0.0	.1	.1	.2	.3	.4	.4	.5	.6	.7	.7	.8	.9
250	−.8	−.7	−.6	−.5	−.4	−.3	−.2	−.1	0.0	.1	.2	.3	.4	.5	.6	.6	.7	.8	.9	1.0	1.1
300	−.9	−.8	−.7	−.6	−.5	−.3	−.2	−.1	0.0	.1	.2	.3	.4	.5	.7	.8	.9	1.0	1.1	1.2	1.3
400	−1.2	−1.1	−.9	−.8	−.6	−.4	−.3	−.2	0.0	.2	.3	.4	.6	.7	.9	1.0	1.2	1.3	1.5	1.6	1.8
500	−1.5	−1.3	−1.1	−1.0	−.8	−.6	−.4	−.2	0.0	.2	.4	.6	.8	.9	1.1	1.3	1.5	1.7	1.9	2.0	2.2
600	−1.8	−1.6	−1.3	−1.1	−.9	−.7	−.4	−.2	0.0	.2	.4	.7	.9	1.1	1.3	1.5	1.8	2.0	2.2	2.4	2.6
700	−2.1	−1.8	−1.6	−1.3	−1.1	−.9	−.6	−.3	0.0	.3	.5	.8	1.1	1.3	1.5	1.8	2.1	2.3	2.6	2.8	3.1
800	−2.4	−2.1	−1.8	−1.5	−1.2	−.9	−.6	−.3	0.0	.3	.6	.9	1.2	1.5	1.8	2.1	2.3	2.6	2.9	3.2	3.5

Depth (Meters)	Salinity 35 .0	35 .1	35 .2	35 .3	35 .4	35 .5	35 .6	35 .7	35 .8	35 .9	36 .0	37 .0	38 .0
1,000	0.0	0.2	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.3	1.5	2.9	4.4
1,200	0.0	.2	.3	.5	.7	.9	1.0	1.2	1.4	1.6	1.8	3.5	5.2
1,500	0.0	.2	.4	.7	.9	1.1	1.3	1.5	1.7	1.9	2.2	4.4	6.5
2,000	0.0	.3	.6	.8	1.1	1.4	1.7	2.0	2.3	2.6	2.9	5.8	8.6
2,500	0.0	.3	.7	1.0	1.4	1.7	2.1	2.5	2.8	3.2	3.6	7.1	10.7
3,000	0.0	.4	.8	1.3	1.7	2.1	2.5	2.9	3.4	3.8	4.2	8.5	12.7
4,000	0.0	.6	1.1	1.6	2.2	2.7	3.3	3.8	4.4	4.9	5.5	11.0	16.5
5,000	0.0	.7	1.4	2.1	2.8	3.5	4.2	4.9	5.7	6.4	7.0	...	...
10,000	0.0	...	...	...	...	...	...	...	...	...	...	...	...

TABLE 7. Sigma-T, σ_t, for Values of Temperature-Salinity Term of the Anomaly of Specific Volume ($10^5\Delta_{s,t}$)

Example
Given, $10^5\Delta_{s,t} = 80.9$.
From table $\sigma_t = 27.272$.

Sigma-T for values of $10^5\Delta_{s,t}$

$10^5\Delta_{s,t}$	0	1	2	3	4	5	6	7	8	9
−190	30.139	30.149	30.160	30.171	30.181	30.192	30.202	30.213	30.224	30.234
−180	.033	.043	.054	.064	.075	.086	.096	.107	.117	.128
−170	29.926	29.937	29.948	29.958	29.969	29.980	29.990	.001	.011	.022
−160	.820	.831	.842	.852	.863	.873	.884	29.895	29.905	29.916
−150	.714	.725	.736	.746	.757	.767	.778	.789	.799	.810
−140	.608	.619	.630	.640	.651	.661	.672	.683	.693	.704
−130	.502	.513	.524	.534	.545	.555	.566	.577	.587	.598
−120	.396	.407	.418	.428	.439	.449	.460	.471	.481	.492
−110	.290	.301	.312	.322	.333	.343	.354	.365	.375	.386
−100	.184	.195	.206	.216	.227	.237	.248	.259	.269	.280
−90	.079	.089	.100	.110	.121	.132	.142	.153	.163	.174
−80	28.973	28.983	28.994	.004	.015	.026	.036	.047	.057	.068
−70	.867	.877	.888	28.899	28.909	28.920	28.930	28.941	28.952	28.962
−60	.761	.772	.782	.793	.803	.814	.824	.835	.846	.856
−50	.655	.666	.676	.687	.697	.708	.719	.729	.740	.750
−40	.549	.560	.570	.581	.592	.602	.613	.623	.634	.645
−30	.444	.454	.465	.475	.486	.496	.507	.518	.528	.539
−20	.338	.348	.359	.370	.380	.391	.401	.412	.422	.433
−10	.232	.243	.253	.264	.274	.285	.296	.306	.317	.327
−0	.126	.137	.148	.158	.169	.179	.190	.200	.211	.222
0	.126	.116	.105	.095	.084	.074	.063	.052	.042	.031
10	.021	.010	.000	27.989	27.978	27.968	27.957	27.947	27.936	27.926
20	27.915	27.904	27.894	.883	.873	.862	.852	.841	.831	.820
30	.809	.799	.788	.778	.767	.757	.746	.735	.725	.714
40	.704	.693	.683	.672	.661	.651	.640	.630	.619	.609
50	.598	.588	.577	.566	.556	.545	.535	.524	.514	.503
60	.493	.482	.471	.461	.450	.440	.429	.419	.408	.398
70	.387	.376	.366	.355	.345	.334	.324	.313	.303	.292
80	.281	.271	.260	.250	.239	.229	.218	.208	.197	.186
90	.176	.165	.155	.144	.134	.123	.113	.102	.091	.081
100	.070	.060	.049	.039	.028	.018	.007	26.997	26.986	26.976
110	26.965	26.954	26.944	26.933	26.923	26.912	26.902	.891	.881	.870
120	.860	.849	.838	.828	.817	.807	.796	.786	.775	.765
130	.754	.744	.733	.722	.712	.701	.691	.680	.670	.659
140	.649	.638	.628	.617	.606	.596	.585	.575	.564	.554
150	.543	.533	.522	.512	.501	.491	.480	.470	.459	.448
160	.438	.427	.417	.406	.396	.385	.375	.364	.354	.343
170	.333	.322	.312	.301	.290	.280	.269	.259	.248	.238
180	.227	.217	.206	.196	.185	.175	.164	.154	.143	.132
190	.122	.111	.101	.090	.080	.069	.059	.048	.038	.027
200	.017	.006	25.996	25.985	25.975	25.964	25.953	25.943	25.932	25.922
210	25.911	25.901	.890	.880	.869	.859	.848	.838	.827	.817
220	.806	.796	.785	.775	.764	.754	.743	.733	.722	.711
230	.701	.690	.680	.669	.659	.648	.638	.627	.617	.606
240	.596	.585	.575	.564	.554	.543	.533	.522	.512	.501
250	.491	.480	.469	.459	.448	.438	.427	.417	.406	.396
260	.385	.375	.364	.354	.343	.333	.322	.312	.301	.291
270	.280	.270	.259	.249	.238	.228	.217	.207	.196	.186
280	.175	.165	.154	.144	.133	.123	.112	.102	.091	.081
290	.070	.060	.049	.039	.028	.018	.007	24.997	24.986	24.976

(Sverdrup, 1933)

TABLE 7. Sigma-T for values of $10^3\Delta_{s,t}$—Continued

$10^3\Delta_{s,t}$	0	1	2	3	4	5	6	7	8	9
300	24.965	24.954	24.944	24.933	24.923	24.912	24.902	24.891	24.881	24.870
310	.860	.849	.839	.828	.818	.807	.797	.786	.776	.765
320	.755	.744	.734	.723	.713	.702	.692	.681	.671	.660
330	.650	.639	.629	.618	.608	.597	.587	.576	.566	.555
340	.545	.534	.524	.513	.503	.492	.482	.471	.461	.450
350	.440	.429	.419	.408	.398	.388	.377	.367	.356	.346
360	.335	.325	.314	.304	.293	.283	.272	.262	.251	.241
370	.230	.220	.209	.199	.188	.178	.167	.157	.146	.136
380	.125	.115	.104	.094	.083	.073	.062	.052	.041	.031
390	.020	.010	23.999	23.989	23.978	23.968	23.957	23.947	23.936	23.926
400	23.915	23.905	.895	.884	.874	.863	.853	.842	.832	.821
410	.811	.800	.790	.779	.769	.758	.748	.737	.727	.716
420	.706	.695	.685	.674	.664	.654	.643	.633	.622	.612
430	.601	.591	.580	.570	.559	.549	.538	.528	.517	.507
440	.496	.486	.475	.465	.454	.444	.433	.423	.412	.402
450	.392	.381	.371	.360	.350	.339	.329	.318	.308	.297
460	.287	.276	.266	.255	.245	.235	.224	.214	.203	.193
470	.182	.172	.161	.151	.140	.130	.119	.109	.098	.088
480	.078	.067	.057	.046	.036	.025	.015	.004	22.994	22.983
490	22.973	22.962	22.952	22.941	22.931	22.921	22.910	22.900	.889	.879
500	.868	.858	.847	.837	.826	.816	.805	.795	.785	.774
510	.764	.753	.743	.732	.722	.711	.701	.690	.680	.669
520	.659	.649	.638	.628	.617	.607	.596	.586	.575	.565
530	.554	.544	.534	.523	.513	.502	.492	.481	.471	.460
540	.450	.439	.429	.419	.408	.398	.387	.377	.366	.356
550	.345	.335	.324	.314	.304	.293	.283	.272	.262	.251
560	.241	.230	.220	.209	.199	.189	.178	.168	.157	.147
570	.136	.126	.115	.105	.095	.084	.074	.063	.053	.042
580	.032	.021	.011	.001	21.990	21.980	21.969	21.959	21.948	21.938
590	21.927	21.917	21.907	21.896	.886	.875	.865	.854	.844	.833
600	.823	.813	.802	.792	.781	.771	.760	.750	.739	.729
610	.719	.708	.698	.687	.677	.666	.656	.645	.635	.625
620	.614	.604	.593	.583	.572	.562	.552	.541	.531	.520
630	.510	.499	.489	.479	.468	.458	.447	.437	.426	.416
640	.406	.395	.385	.374	.364	.353	.343	.332	.322	.312
650	.301	.291	.280	.270	.259	.249	.239	.228	.218	.207
660	.197	.187	.176	.166	.155	.145	.134	.124	.114	.103
670	.093	.082	.072	.061	.051	.041	.030	.020	.009	20.999
680	20.988	20.978	20.968	20.957	20.947	20.936	20.926	20.915	20.905	.895
690	.884	.874	.863	.853	.843	.832	.822	.811	.801	.790
700	.780	.770	.759	.749	.738	.728	.717	.707	.697	.686
710	.676	.665	.655	.645	.634	.624	.613	.603	.592	.582
720	.572	.561	.551	.540	.530	.520	.509	.499	.488	.478
730	.467	.457	.447	.436	.426	.415	.405	.395	.384	.374
740	.363	.353	.342	.332	.322	.311	.301	.290	.280	.270
750	.259	.249	.238	.228	.218	.207	.197	.186	.176	.166
760	.155	.145	.134	.124	.114	.103	.093	.082	.072	.062
770	.051	.041	.030	.020	.009	19.999	19.989	19.978	19.968	19.957
780	19.947	19.937	19.926	19.916	19.905	.895	.885	.874	.864	.853
790	.843	.833	.822	.812	.801	.791	.781	.770	.760	.749
800	.739	.729	.718	.708	.697	.687	.677	.666	.656	.645
810	.635	.625	.614	.604	.593	.583	.573	.562	.552	.542
820	.531	.521	.510	.500	.490	.479	.469	.458	.448	.438
830	.427	.417	.406	.396	.386	.375	.365	.354	.344	.334
840	.323	.313	.302	.292	.282	.271	.261	.251	.240	.230
850	.219	.209	.199	.188	.178	.167	.157	.147	.136	.126
860	.115	.105	.095	.084	.074	.064	.053	.043	.032	.022
870	.012	.001	18.991	18.981	18.970	18.960	18.949	18.939	18.929	18.918
880	18.908	18.897	.887	.877	.866	.856	.846	.835	.825	.814
890	.804	.794	.783	.773	.762	.752	.742	.731	.721	.711
900	.700	.690	.679	.669	.659	.648	.638	.628	.617	.607

TABLE 8. Temperature-Salinity Term, $10^5\Delta_{s,t}$, of Anomaly of Specific Volume for Values of Sigma-T, σ_t

Example:
Given $\sigma_t=26.32$.
From table $10^5\Delta_{s,t}=171.2$.

σ_t	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
16.0	1160.9	1159.9	1158.9	1158.0	1157.0	1156.0	1155.1	1154.1	1153.1	1152.2
16.1	1151.2	1150.2	1149.3	1148.3	1147.3	1146.4	1145.4	1144.4	1143.5	1142.5
16.2	1141.5	1140.5	1139.6	1138.6	1137.6	1136.7	1135.7	1134.7	1133.8	1132.8
16.3	1131.8	1130.9	1129.9	1128.9	1128.0	1127.0	1126.0	1125.1	1124.1	1123.1
16.4	1122.1	1121.2	1120.2	1119.2	1118.3	1117.3	1116.3	1115.4	1114.4	1113.4
16.5	1112.5	1111.5	1110.5	1109.6	1108.6	1107.6	1106.7	1105.7	1104.7	1103.8
16.6	1102.8	1101.8	1100.9	1099.9	1098.9	1098.0	1097.0	1096.0	1095.1	1094.1
16.7	1093.1	1092.1	1091.2	1090.2	1089.2	1088.3	1087.3	1086.3	1085.4	1084.4
16.8	1083.4	1082.5	1081.5	1080.5	1079.6	1078.6	1077.6	1076.7	1075.7	1074.7
16.9	1073.8	1072.8	1071.8	1070.9	1069.9	1068.9	1068.0	1067.0	1066.0	1065.1
17.0	1064.1	1063.1	1062.2	1061.2	1060.2	1059.3	1058.3	1057.3	1056.4	1055.4
17.1	1054.4	1053.5	1052.5	1051.5	1050.6	1049.6	1048.6	1047.7	1046.7	1045.7
17.2	1044.8	1043.8	1042.8	1041.9	1040.9	1039.9	1039.0	1038.0	1037.0	1036.1
17.3	1035.1	1034.1	1033.2	1032.2	1031.2	1030.3	1029.3	1028.3	1027.4	1026.4
17.4	1025.4	1024.5	1023.5	1022.5	1021.6	1020.6	1019.6	1018.7	1017.7	1016.7
17.5	1015.8	1014.8	1013.9	1012.9	1011.9	1011.0	1010.0	1009.0	1008.1	1007.1
17.6	1006.1	1005.2	1004.2	1003.2	1002.3	1001.3	1000.3	999.4	998.4	997.4
17.7	996.5	995.5	994.5	993.6	992.6	991.6	990.7	989.7	988.7	987.8
17.8	986.8	985.8	984.9	983.9	983.0	982.0	981.0	980.1	979.1	978.1
17.9	977.2	976.2	975.2	974.3	973.3	972.3	971.4	970.4	969.4	968.5
18.0	967.5	966.6	965.6	964.6	963.7	962.7	961.7	960.8	959.8	958.8
18.1	957.9	956.9	955.9	955.0	954.0	953.1	952.1	951.1	950.2	949.2
18.2	948.2	947.3	946.3	945.3	944.4	943.4	942.4	941.5	940.5	939.5
18.3	938.6	937.6	936.7	935.7	934.7	933.8	932.8	931.8	930.9	929.9
13.4	928.9	928.0	927.0	926.0	925.1	924.1	923.2	922.2	921.2	920.3
18.5	919.3	918.3	917.4	916.4	915.4	914.5	913.5	912.6	911.6	910.6
18.6	909.7	908.7	907.7	906.8	905.8	904.8	903.9	902.9	902.0	901.0
18.7	900.0	899.1	898.1	897.1	896.2	895.2	894.2	893.3	892.3	891.4
18.8	890.4	889.4	888.5	887.5	886.5	885.6	884.6	883.6	882.7	881.7
18.9	880.8	879.8	878.8	877.9	876.9	875.9	875.0	874.0	873.0	872.1
19.0	871.1	870.2	869.2	868.2	867.3	866.3	865.3	864.4	863.4	862.5
19.1	861.5	860.5	859.6	858.6	857.6	856.7	855.7	854.8	853.8	852.8
19.2	851.9	850.9	849.9	849.0	848.0	847.0	846.1	845.1	844.2	843.2
19.3	842.2	841.3	840.3	839.4	838.4	837.4	836.5	835.5	834.5	833.6
19.4	832.6	831.7	830.7	829.7	828.8	827.8	826.8	825.9	824.9	824.0
19.5	823.0	822.0	821.1	820.1	819.1	818.2	817.2	816.3	815.3	814.3
19.6	813.4	812.4	811.5	810.5	809.5	808.6	807.6	806.6	805.7	804.7
19.7	803.8	802.8	801.8	800.9	799.9	798.9	798.0	797.0	796.1	795.1
19.8	794.1	793.2	792.2	791.3	790.3	789.3	788.4	787.4	786.4	785.5
19.9	784.5	783.6	782.6	781.6	780.7	779.7	778.8	777.8	776.8	775.9
20.0	774.9	773.9	773.0	772.0	771.1	770.1	769.1	768.2	767.2	766.3
20.1	765.3	764.3	763.4	762.4	761.5	760.5	759.5	758.6	757.6	756.7
20.2	755.7	754.7	753.8	752.8	751.8	750.9	749.9	749.0	748.0	747.0
20.3	746.1	745.1	744.2	743.2	742.2	741.3	740.3	739.4	738.4	737.4
20.4	736.5	735.5	734.6	733.6	732.6	731.7	730.7	729.8	728.8	727.8

(Sverdrup, 1933)

TABLE 8.—Temperature-Salinity Term, $10^5\Delta_{s,t}$, of Anomaly of Specific Volume for Values of Sigma-T, σ_t—Con.

σ_t	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
20.5	726.9	725.9	725.0	724.0	723.0	722.1	721.1	720.2	719.2	718.2
20.6	717.3	716.3	715.4	714.4	713.4	712.5	711.5	710.6	709.6	708.6
20.7	707.7	706.7	705.8	704.8	703.8	702.9	701.9	701.0	700.0	699.0
20.8	698.1	697.1	696.2	695.2	694.2	693.3	692.3	691.4	690.4	689.4
20.9	688.5	687.5	686.6	685.6	684.6	683.7	682.7	681.8	680.8	679.8
21.0	678.9	677.9	677.0	676.0	675.1	674.1	673.1	672.2	671.2	670.3
21.1	669.3	668.3	667.4	666.4	665.4	664.5	663.5	662.6	661.6	660.7
21.2	659.7	658.7	657.8	656.8	655.9	654.9	654.0	653.0	652.0	651.1
21.3	650.1	649.2	648.2	647.2	646.3	645.3	644.4	643.4	642.5	641.5
21.4	640.5	639.6	638.6	637.7	636.7	635.7	634.8	633.8	632.9	631.9
21.5	630.9	630.0	629.0	628.[illegible]	627.1	626.2	625.2	624.2	623.3	622.3
21.6	621.4	620.4	619.5	618.5	617.5	616.6	615.6	614.7	613.7	612.7
21.7	611.8	610.8	609.9	608.9	608.0	607.0	606.0	605.1	604.1	603.2
21.8	602.2	601.2	600.3	599.3	598.4	597.4	596.5	595.5	594.5	593.6
21.9	592.6	591.7	590.7	589.8	588.8	587.8	586.9	585.9	585.0	584.0
22.0	583.1	582.1	581.1	580.2	579.2	578.3	577.3	576.4	575.4	574.4
22.1	573.5	572.5	571.6	570.6	569.7	568.7	567.7	566.8	565.8	564.9
22.2	563.9	563.0	562.0	561.0	560.1	559.1	558.2	557.2	556.3	555.3
22.3	554.3	553.4	552.4	551.5	550.5	549.6	548.6	547.6	546.7	545.7
22.4	544.8	543.8	542.9	541.9	540.9	540.0	539.0	538.1	537.1	536.2
22.5	535.2	534.3	533.3	532.3	531.4	530.4	529.5	528.5	527.6	526.6
22.6	525.6	524.7	523.7	522.8	521.8	520.9	519.9	519.0	518.0	517.0
22.7	516.1	515.1	514.2	513.3	512.3	511.3	510.3	509.4	508.4	507.5
22.8	506.5	505.6	504.6	503.7	502.7	501.7	500.8	499.8	498.9	497.9
22.9	497.0	496.0	495.1	494.1	493.1	492.2	491.2	490.3	489.3	488.4
23.0	487.4	486.5	485.5	484.5	483.6	482.6	481.7	480.7	479.8	478.8
23.1	477.9	476.9	475.9	475.0	474.0	473.1	472.1	471.2	470.2	469.3
23.2	468.3	467.3	466.4	465.4	464.5	463.5	462.6	461.6	460.7	459.7
23.3	458.7	457.8	456.8	455.9	454.9	454.0	453.0	452.1	451.1	450.2
23.4	449.2	448.2	447.3	446.3	445.4	444.4	443.5	442.5	441.6	440.6
23.5	439.7	438.7	437.7	436.8	435.8	434.9	433.9	433.0	432.0	431.1
23.6	430.1	429.2	428.2	427.2	426.3	425.3	424.4	423.4	422.5	421.5
23.7	420.6	419.6	418.7	417.7	416.7	415.8	414.8	413.9	412.9	412.0
23.8	411.0	410.1	409.1	408.2	407.2	406.3	405.3	404.3	403.4	402.4
23.9	401.5	400.5	399.6	398.6	397.7	396.7	395.8	394.8	393.9	392.9
24.0	391.9	391.0	390.0	389.1	388.1	387.2	386.2	385.3	384.3	383.4
24.1	382.4	381.5	380.5	379.6	378.6	377.6	376.7	375.7	374.8	373.8
24.2	372.9	371.9	371.0	370.0	369.1	368.1	367.2	366.2	365.3	364.3
24.3	363.3	362.4	361.4	360.5	359.5	358.6	357.6	356.7	355.7	354.8
24.4	353.8	352.9	351.9	351.0	350.0	349.0	348.1	347.1	346.2	345.2
24.5	344.3	343.3	342.4	341.4	340.5	339.5	338.6	337.6	336.7	335.7
24.6	334.8	333.8	332.9	331.9	330.9	330.0	329.0	328.1	327.1	326.2
24.7	325.2	324.3	323.3	322.4	321.4	320.5	319.5	318.6	317.6	316.7
24.8	315.7	314.8	313.8	312.9	311.9	311.0	310.0	309.0	308.1	307.1
24.9	306.2	305.2	304.3	303.3	302.4	301.4	300.5	299.5	298.6	297.6
25.0	296.7	295.7	294.8	293.8	292.9	291.9	291.0	290.0	289.1	288.1
25.1	287.2	286.2	285.3	284.3	283.3	282.4	281.4	280.5	279.5	278.6
25.2	277.6	276.7	275.7	274.8	273.8	272.9	271.9	271.0	270.0	269.1
25.3	268.1	267.2	266.2	265.3	264.3	263.4	262.4	261.5	260.5	259.6
25.4	258.6	257.7	256.7	255.8	254.8	253.9	252.9	252.0	251.0	250.1
25.5	249.1	248.2	247.2	246.3	245.3	244.3	243.4	242.4	241.5	240.5
25.6	239.6	238.6	237.7	236.7	235.8	234.8	233.9	232.9	232.0	231.0
25.7	230.1	229.1	228.2	227.2	226.3	225.3	224.4	223.4	222.5	221.5
25.8	220.6	219.6	218.7	217.7	216.8	215.8	214.9	213.9	213.0	212.0
25.9	211.1	210.1	209.2	208.2	207.3	206.3	205.4	204.4	203.5	202.5

TABLE 8. Temperature-Salinity Term, $10^5\Delta_{s,t}$, of Anomaly of Specific Volume for Values of Sigma-T, σ_t—Con.

σ_t	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
26.0	201.6	200.6	199.7	198.7	197.8	196.8	195.9	194.9	194.0	193.0
26.1	192.1	191.1	190.2	189.2	188.3	187.3	186.4	185.4	184.5	183.5
26.2	182.6	181.6	180.7	179.7	178.8	177.8	176.9	175.9	175.0	174.0
26.3	173.1	172.1	171.2	170.2	169.3	168.3	167.4	166.4	165.5	164.5
26.4	163.6	162.7	161.7	160.8	159.8	158.9	157.9	157.0	156.0	155.1
26.5	154.1	153.2	152.2	151.3	150.3	149.4	148.4	147.5	146.5	145.6
26.6	144.6	143.7	142.7	141.8	140.8	139.9	138.9	138.0	137.0	136.1
26.7	135.1	134.2	133.2	132.3	131.3	130.4	129.4	128.5	127.5	126.6
26.8	125.6	124.7	123.7	122.8	121.9	120.9	120.0	119.0	118.1	117.1
26.9	116.2	115.2	114.3	113.3	112.4	111.4	110.5	109.5	108.6	107.6
27.0	106.7	105.7	104.8	103.8	102.9	101.9	101.0	100.0	99.1	98.1
27.1	97.2	96.3	95.3	94.4	93.4	92.5	91.5	90.6	89.6	88.7
27.2	87.7	86.8	85.8	84.9	83.9	83.0	82.0	81.1	80.1	79.2
27.3	78.2	77.3	76.3	75.4	74.5	73.5	72.6	71.6	70.7	69.7
27.4	68.8	67.8	66.9	65.9	65.0	64.0	63.1	62.1	61.2	60.2
27.5	59.3	58.3	57.4	56.5	55.5	54.6	53.6	52.7	51.7	50.8
27.6	49.8	48.9	47.9	47.0	46.0	45.1	44.1	43.2	42.3	41.3
27.7	40.4	39.4	38.5	37.5	36.6	35.6	34.7	33.7	32.8	31.8
27.8	30.9	29.9	29.0	28.1	27.1	26.2	25.2	24.3	23.3	22.4
27.9	21.4	20.5	19.5	18.6	17.6	16.7	15.7	14.8	13.9	12.9
28.0	12.0	11.0	10.1	9.1	8.2	7.2	6.3	5.3	4.4	3.4
28.1	2.5	1.6	0.6	−0.3	−1.3	−2.2	−3.2	−4.1	−5.1	−6.0
28.2	−7.0	−7.9	−8.9	−9.8	−10.8	−11.7	−12.6	−13.6	−14.5	−15.5
28.3	−16.4	−17.4	−18.3	−19.3	−20.2	−21.2	−22.1	−23.0	−24.0	−24.9
28.4	−25.9	−26.8	−27.8	−28.7	−29.7	−30.6	−31.6	−32.5	−33.4	−34.4
28.5	−35.3	−36.3	−37.2	−38.2	−39.1	−40.1	−41.0	−42.0	−42.9	−43.8
28.6	−44.8	−45.7	−46.7	−47.6	−48.6	−49.5	−50.5	−51.4	−52.4	−53.3
28.7	−54.2	−55.2	−56.1	−57.1	−58.0	−59.0	−59.9	−60.9	−61.8	−62.7
28.8	−63.7	−64.6	−65.6	−66.5	−67.5	−68.4	−69.4	−70.3	−71.2	−72.2
28.9	−73.1	−74.1	−75.0	−76.0	−76.9	−77.9	−78.8	−79.8	−80.7	−81.6
29.0	−82.6	−83.5	−84.5	−85.4	−86.4	−87.3	−88.3	−89.2	−90.1	−91.1
29.1	−92.0	−93.0	−93.9	−94.9	−95.8	−96.7	−97.7	−98.6	−99.6	−100.5
29.2	−101.5	−102.4	−103.4	−104.3	−105.2	−106.2	−107.1	−108.1	−109.0	−110.0
29.3	−110.9	−111.9	−112.8	−113.7	−114.7	−115.6	−116.6	−117.5	−118.5	−119.4
29.4	−120.3	−121.3	−122.2	−123.2	−124.1	−125.1	−126.0	−127.0	127.9	−128.8
29.5	−129.8	−130.7	−131.7	−132.6	−133.6	−134.5	−135.4	−136.4	−137.3	−138.3
29.6	−139.2	−140.2	−141.1	−142.0	−143.0	−143.9	−144.9	−145.8	−146.8	−147.7
29.7	−148.6	−149.6	−150.5	−151.5	−152.4	−153.4	−154.3	−155.3	−156.2	−157.1
29.8	−158.1	−159.0	−160.0	−160.9	−161.9	−162.8	−163.7	−164.7	−165.6	−166.6
29.9	−167.5	−168.5	−169.4	−170.3	−171.3	−172.2	−173.2	−174.1	−175.1	−176.0
30.0	−176.9	−177.9	−178.8	−179.8	−180.7	−181.6	−182.6	−183.5	−184.5	−185.4
30.1	−186.4	−187.3	−188.2	−189.2	−190.1	−191.1	−192.0	−193.0	−193.9	−194.8
30.2	−195.8	−196.7	−197.7	−198.6	−199.6	−200.5	−201.4	−202.4	−203.3	−204.3
30.3	−205.2	−206.1	−207.1	−208.0	−209.0	−209.9	−210.9	−211.8	−212.7	−213.7
30.4	−214.6	−215.6	−216.5	−217.4	−218.4	−219.3	−220.3	−221.2	−222.2	−223.1
30.5	−224.0	−225.0	−225.9	−226.9	−227.8	−228.7	−229.7	−230.6	−231.6	−232.5

TABLE 9.—Rapid Computation of Potential Temperature

TABLE 9A **Adiabatic cooling in 0.01° C. when sea water ($S‰=34.85‰$, $\sigma_0=28.0$) which has a temperature of t_m at the depth of m meters, is raised from that depth to the surface.**

m \ t_m	-2°	-1°	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
	−	−	−	−	−	−	−	−	−	−	−	−	−
1000	2.6	3.5	4.4	5.3	6.2	7.0	7.8	8.6	9.5	10.2	11.0	11.7	12.4
2000	7.2	8.9	10.7	12.4	14.1	15.7	17.2	18.8	20.4	21.9	23.3	24.8	26.2
3000	13.6	16.1	18.7	21.2	23.6	25.9	28.2	30.5	32.7	34.9	37.1	39.2	41.2
4000	21.7	25.0	28.4	31.6	34.7	37.7	40.6	43.5	46.3	49.1	51.9	54.6	57.2
5000	31.5	35.5	39.6	43.4	47.2	50.9	54.4						
6000	42.8	47.5	52.2	56.7	61.1	65.3	69.4						
7000			66.2	71.3	76.2	80.9	85.5						
8000			81.5	87.1	92.5	97.7	102.7						
9000			98.1	104.1	109.9	115.6	121.0						
10000			115.7	122.1	128.3	134.4	140.2						

TABLE 9B **Adiabatic heating in 0.01° C. when sea water ($S‰=34.85‰$. $\sigma_0=28.0$) which has a temperature of t_0 at the surface, sinks from the surface to a depth of m meters.**

m \ t_0	-2°	-1°	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
	+	+	+	+	+	+	+	+	+	+	+	+	+
1000	2.6	3.6	4.5	5.4	6.2	7.1	7.9	8.7	9.5	10.3	11.1	11.8	12.5
2000	7.3	9.1	10.9	12.7	14.3	16.0	17.5	19.1	20.7	22.2	23.7	25.1	26.5
3000	13.9	16.6	19.2	21.8	24.2	26.7	28.9	31.2	33.4	35.6	37.8	39.9	41.9
4000	22.4	25.9	29.3	32.6	35.8	39.0	41.9	44.8	47.7	50.5	53.4	56.1	58.7
5000	32.8	37.0	41.2	45.1	49.0	52.8	56.4						
6000	44.9	49.8	54.7	59.3	63.8	68.1	72.3						
7000		64.3	69.8	75.0	80.0	84.8	89.5						
8000		80.4	86.4	92.1	97.6	102.9							
9000		97.9	104.4	110.5	116.5	122.2							
10000		116.7	123.7	130.2	136.6	142.7							

(Wust, 1961)

TABLE 9. Rapid Computation of Potential Temperature—Continued

TABLE [illegible] **Adiabatic variations of temperature in 0.01° C. for the upper 1000 meters of sea water at different salinities.**

S°/oo	0°C.	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°
30.0	3.5	5.3	7.0	8.7	10.3	11.8	13.2	14.7	16.1	17.6	18.9	20.3
32.0	3.9	5.7	7.3	9.0	10.6	12.1	13.5	15.0	16.4	17.8	19.1	20.5
34.0	4.3	6.0	7.7	9.4	10.9	12.4	13.8	15.3	16.6	18.0	19.3	20.7
36.0	4.7	6.4	8.1	9.7	11.2	12.7	14.1	15.5	16.9	18.3	19.6	20.9
38.0	5.1	6.8	8.4	10.0	11.6	13.0	14.4	15.8	17.2	18.5	19.8	21.1

TABLE [illegible] **Adiabatic variations of temperature in 0.01° C. in Mediterranean sea water of (S^0/oo=38.57°/oo, σ_0=31.0).**

m	t_m (raising)			t_o (sinking)		
	12°	13°	14°	12°	13°	14°
	−	−	−	+	+	+
1000	14.4	15.1	15.8	14.5	15.3	16.0
2000	30.0	31.4	32.7	30.4	31.8	33.1
3000	45.6	48.6	50.6	47.4	49.4	51.4
4000	64.2	66.7	69.2	65.7	68.3	70.8

TABLE 9.—Rapid Computation of Potential Temperature—Continued

(Interpolated from Table 9A)

TABLE 9E.—Adiabatic cooling (in 0.01C) when sea water ($S = 34.85‰$, $\sigma_0 = 28.0$) which has a temperature of t_m at the depth of m meters, is raised from that depth to the surface

a) 1000–2000 m depth

m \ t_m	-1,0	-0,5	±0,0	0,5	1,0	1,5	2,0	2,5	3,0	3,5	4,0	4,5
1000	3,5	4,0	4,4	4,9	5,3	5,8	6,2	6,6	7,0	7,4	7,8	8,2
1100	4,0	4,5	4,9	5,4	5,9	6,4	6,9	7,4	7,8	8,2	8,7	9,1
1200	4,4	5,0	5,5	6,1	6,6	7,2	7,7	8,1	8,6	9,1	9,5	10,0
1300	4,9	5,5	6,1	6,7	7,3	7,9	8,4	8,9	9,4	9,9	10,4	10,9
1400	5,4	6,1	6,7	7,4	8,0	8,6	9,2	9,7	10,3	10,8	11,4	11,9
1500	6,0	6,7	7,3	8,0	8,6	9,3	10,0	10,6	11,2	11,8	12,4	13,0
1600	6,6	7,3	8,0	8,8	9,5	10,2	10,9	11,5	12,1	12,8	13,4	14,0
1700	7,1	7,9	8,7	9,5	10,2	11,0	11,7	12,3	13,0	13,7	14,4	15,0
1800	7,8	8,6	9,4	10,2	11,0	11,8	12,5	13,3	14,0	14,7	15,4	16,1
1900	8,4	9,3	10,1	11,0	11,8	12,6	13,4	14,2	14,9	15,7	16,4	17,1
2000	8,9	9,8	10,7	11,6	12,4	13,3	14,1	14,9	15,7	16,5	17,2	18,0

m \ t_m	5,0	5,5	6,0	6,5	7,0	7,5	8,0	8,5	9,0	9,5	10,0
1000	8,6	9,0	9,4	9,8	10,2	10,6	11,0	11,4	11,7	12,1	12,4
1100	9,5	9,9	10,3	10,8	11,2	11,7	12,1	12,5	12,9	13,3	13,6
1200	10,4	10,9	11,3	11,8	12,3	12,8	13,2	13,7	14,1	14,5	14,9
1300	11,4	11,9	12,4	12,9	13,4	13,9	14,4	14,9	15,3	15,8	16,2
1400	12,4	13,0	13,5	14,0	14,5	15,1	15,6	16,1	16,6	17,1	17,5
1500	13,5	14,1	14,6	15,2	15,7	16,3	16,8	17,4	17,9	18,4	18,9
1600	14,6	15,2	15,7	16,3	16,9	17,5	18,1	18,7	19,3	19,8	20,3
1700	15,7	16,3	16,9	17,5	18,1	18,8	19,4	20,0	20,6	21,2	21,8
1800	16,8	17,5	18,1	18,8	19,4	20,1	20,7	21,4	22,0	22,7	23,3
1900	17,8	18,5	19,3	20,0	20,7	21,4	22,0	22,7	23,4	24,1	24,8
2000	18,8	19,6	20,4	21,2	21,9	22,6	23,3	24,1	24,8	25,5	26,2

Table 9. Rapid Computation of Potential Temperature—Continued

Table 9E Continued

b) for 2000–6500 m depth

p \ t	-1.0	-0.8	-0.6	-0.4	-0.2	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4
2000	8.9	9.3	9.6	10.0	10.3	10.7	11.0	11.4	11.7	12.1	12.4	12.7	13.1
2100	9.6	10.0	10.3	10.7	11.0	11.4	11.8	12.2	12.5	12.9	13.2	13.5	13.9
2200	10.2	10.6	11.0	11.4	11.7	12.1	12.5	12.9	13.3	13.7	14.0	14.4	14.8
2300	10.9	11.3	11.7	12.1	12.5	12.9	13.3	13.7	14.1	14.5	14.9	15.2	15.6
2400	11.6	12.0	12.4	12.8	13.2	13.7	14.1	14.5	14.9	15.3	15.7	16.1	16.5
2500	12.3	12.8	13.2	13.6	14.0	14.5	14.9	15.3	15.7	16.2	16.6	17.0	17.4
2600	13.0	13.5	13.9	14.4	14.8	15.3	15.7	16.2	16.6	17.1	17.5	17.9	18.4
2700	13.7	14.2	14.7	15.2	15.6	16.1	16.5	17.0	17.4	17.9	18.4	18.8	19.3
2800	14.5	15.0	15.5	16.0	16.5	17.0	17.4	17.9	18.3	18.8	19.3	19.7	20.2
2900	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.2	20.7	21.2
3000	16.1	16.6	17.1	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2
3100	16.9	17.4	17.9	18.5	19.1	19.6	20.1	20.6	21.2	21.7	22.2	22.7	23.2
3200	17.7	18.3	18.8	19.4	20.0	20.5	21.0	21.6	22.1	22.6	23.2	23.7	24.2
3300	18.6	19.1	19.7	20.3	20.9	21.4	22.0	22.5	23.1	23.6	24.2	24.7	25.3
3400	19.5	20.0	20.6	21.2	21.8	22.4	22.9	23.5	24.1	24.6	25.2	25.7	26.3
3500	20.4	20.9	21.5	22.2	22.8	23.3	23.9	24.5	25.1	25.7	26.2	26.8	27.4
3600	21.2	21.8	22.4	23.1	23.7	24.3	24.9	25.5	26.1	26.7	27.3	27.8	28.4
3700	22.1	22.8	23.4	24.1	24.7	25.3	25.9	26.5	27.1	27.7	28.3	28.9	29.5
3800	23.1	23.7	24.3	25.0	25.7	26.3	26.9	27.6	28.2	28.8	29.4	30.0	30.6
3900	24.1	24.7	25.3	26.0	26.7	27.4	28.0	28.6	29.2	29.9	30.5	31.2	31.8
4000	25.0	25.7	26.4	27.0	27.7	28.4	29.0	29.7	30.3	31.0	31.6	32.2	32.8
4100	26.0	26.7	27.4	28.0	28.7	29.4	30.1	30.8	31.4	32.1	32.7	33.3	33.9
4200	27.0	27.7	28.4	29.1	29.8	30.5	31.2	31.9	32.5	33.2	33.9	34.5	35.1
4300	28.0	28.7	29.4	30.1	30.9	31.6	32.2	32.9	33.6	34.3	35.0	35.7	36.3
4400	29.0	29.8	30.5	31.2	31.9	32.7	33.4	34.1	34.8	35.5	36.2	36.8	37.5
4500	30.1	30.8	31.6	32.3	33.1	33.8	34.5	35.2	35.9	36.7	37.4	38.0	38.7
4600	31.1	31.9	32.7	33.4	34.2	34.9	35.6	36.4	37.1	37.8	38.5	39.2	39.9
4700	32.2	33.0	33.8	34.5	35.3	36.1	36.7	37.5	38.3	39.0	39.7	40.4	41.1
4800	33.3	34.1	34.9	35.6	36.4	37.2	38.0	38.8	39.5	40.3	41.0	41.7	42.4
4900	34.4	35.2	36.0	36.8	37.6	38.4	39.1	39.9	40.7	41.5	42.2	42.9	43.7
5000	35.5	36.3	37.1	38.0	38.8	39.6	40.4	41.1	41.9	42.6	43.4	44.2	44.9
5100	36.6	37.4	38.3	39.2	40.0	40.8	41.6	42.3	43.1	43.9	44.7	45.5	46.2
5200	37.8	38.6	39.4	40.3	41.2	42.0	42.8	43.6	44.4	45.1	45.9	46.8	47.5
5300	38.9	39.8	40.6	41.6	42.4	43.2	44.1	44.8	45.6	46.4	47.3	48.1	48.8
5400	40.1	40.9	41.8	42.8	43.6	44.5	45.3	46.1	46.9	47.7	48.6	49.4	50.2
5500	41.3	42.1	43.0	44.0	44.9	45.8	46.6	47.4	48.2	49.0	49.9	50.7	51.5
5600	42.5	43.4	44.2	45.3	46.1	47.0	47.9	48.7	49.5	50.3	51.2	52.1	52.9
5700	43.7	44.6	45.4	46.5	47.4	48.3	49.2	50.0	50.8	51.6	52.6	53.4	54.2
5800	45.0	45.9	46.8	47.8	48.7	49.6	50.5	51.3	52.2	53.0	53.9	54.8	55.6
5900	46.2	47.1	48.0	49.0	50.0	50.9	51.8	52.7	53.6	54.5	55.4	56.2	57.0
6000	47.5	48.4	49.4	50.3	51.3	52.2	53.1	54.0	54.9	55.8	56.7	57.6	58.5
6100						53.6	54.5	55.4	56.3	57.2	58.1	59.0	59.9
6200						54.9	55.8	56.7	57.7	58.6	59.5	60.4	61.3
6300						56.3	57.2	58.1	59.1	60.0	60.9	61.9	62.8
6400						57.6	58.6	59.5	60.5	61.4	62.4	63.3	64.3
6500						59.0	60.0	60.9	61.9	62.9	63.8	64.8	65.8

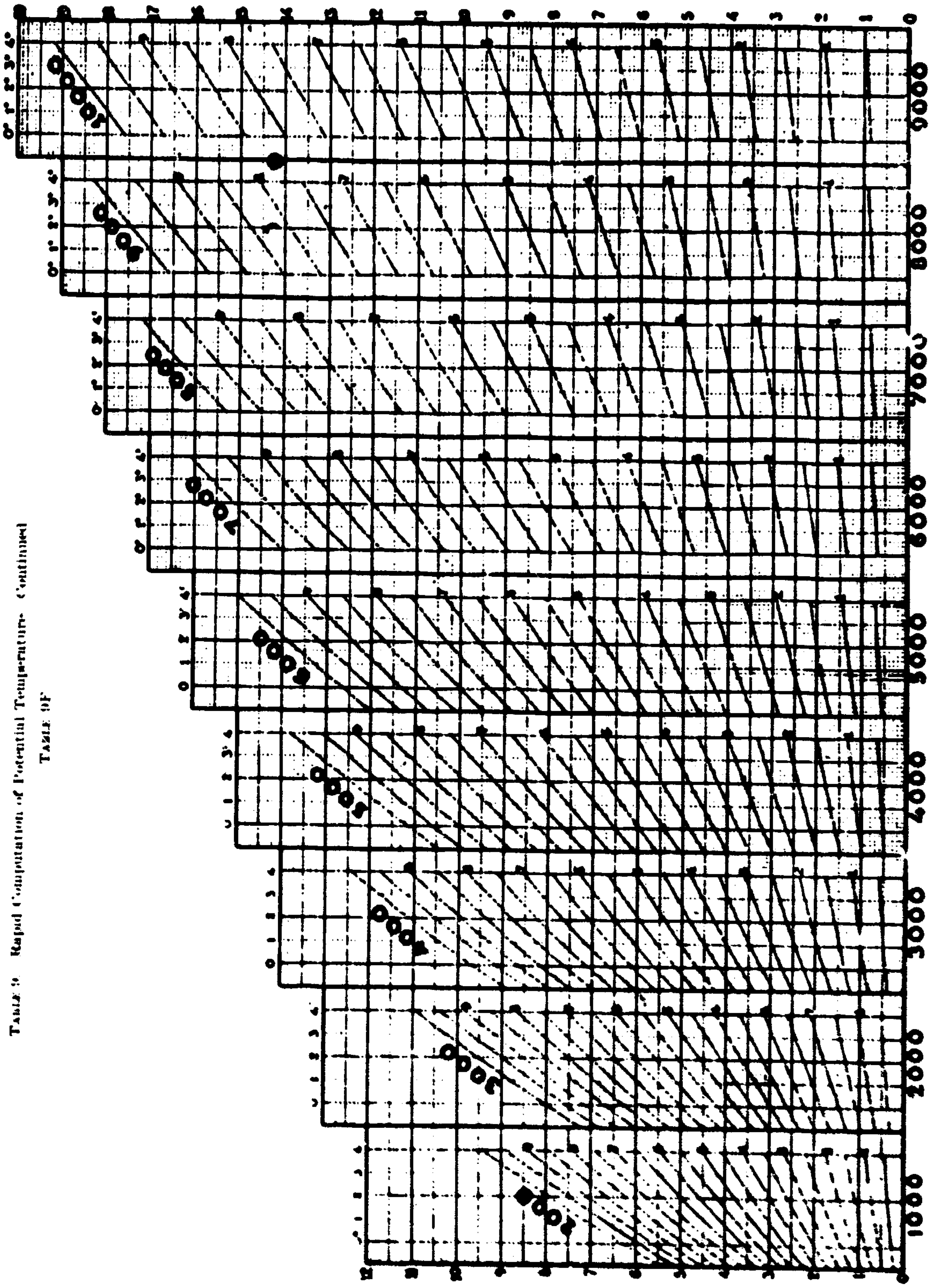
TABLE 9.—Rapid Computation of Potential Temperature—Continued

TABLE 9E—Continued

$p \backslash t_m$	1,6	1,8	2,0	2,2	2,4	2,6	2,8	3,0	3,2	3,4	3,6	3,8	4,0
2000	13,4	13,8	14,1	14,4	14,7	15,1	15,4	15,7	16,0	16,3	16,6	16,9	17,2
2100	14,3	14,7	15,0	15,3	15,6	16,0	16,4	16,7	17,0	17,3	17,6	17,9	18,2
2200	15,1	15,5	15,9	16,2	16,5	17,0	17,3	17,6	18,0	18,3	18,6	19,0	19,3
2300	16,0	16,4	16,8	17,1	17,5	17,9	18,2	18,6	19,0	19,3	19,6	20,0	20,3
2400	16,9	17,3	17,7	18,1	18,5	18,9	19,3	19,6	20,0	20,3	20,7	21,1	21,4
2500	17,8	18,3	18,7	19,0	19,4	19,8	20,2	20,6	21,0	21,4	21,8	22,1	22,5
2600	18,8	19,2	19,6	20,0	20,4	20,9	21,3	21,7	22,1	22,5	22,9	23,3	23,6
2700	19,7	20,2	20,6	21,0	21,4	21,9	22,3	22,7	23,1	23,5	23,9	24,3	24,7
2800	20,7	21,2	21,6	22,0	22,4	22,9	23,4	23,8	24,2	24,6	25,0	25,4	25,9
2900	21,6	22,1	22,6	23,0	23,5	24,0	24,4	24,9	25,3	25,7	26,2	26,6	27,0
3000	22,6	23,1	23,6	24,1	24,5	25,0	25,4	25,9	26,4	26,8	27,3	27,7	28,2
3100	23,6	24,1	24,7	25,2	25,6	26,1	26,5	27,0	27,5	28,0	28,5	28,9	29,4
3200	24,7	25,2	25,7	26,2	26,7	27,2	27,6	28,1	28,6	29,1	29,6	30,1	30,6
3300	25,8	26,3	26,8	27,3	27,8	28,3	28,8	29,3	29,8	30,3	30,8	31,3	31,8
3400	26,8	27,3	27,9	28,4	28,9	29,4	29,9	30,4	30,9	31,4	31,9	32,4	33,0
3500	27,9	28,4	29,0	29,5	30,0	30,5	31,0	31,5	32,1	32,6	33,2	33,7	34,2
3600	28,9	29,5	30,1	30,7	31,2	31,7	32,2	32,8	33,4	33,9	34,4	34,9	35,5
3700	30,0	30,6	31,2	31,8	32,3	32,9	33,4	34,0	34,6	35,1	35,7	36,2	36,7
3800	31,2	31,8	32,4	33,0	33,5	34,1	34,6	35,2	35,8	36,3	36,9	37,4	38,0
3900	32,3	32,9	33,5	34,1	34,7	35,3	35,8	36,4	37,0	37,6	38,2	38,7	39,3
4000	33,5	34,1	34,7	35,3	35,9	36,5	37,1	37,7	38,3	38,9	39,4	40,0	40,6
4100	34,6	35,3	35,9	36,5	37,1	37,7	38,3	38,9	39,5	40,2	40,7	41,3	41,9
4200	35,8	36,5	37,1	37,7	38,4	39,0	39,6	40,2	40,8	41,4	42,0	42,6	43,3
4300	37,0	37,7	38,3	38,9	39,6	40,2	40,9	41,5	42,2	42,8	43,4	44,0	44,6
4400	38,2	38,9	39,5	40,2	40,9	41,5	42,2	42,8	43,5	44,1	44,7	45,3	46,0
4500	39,4	40,1	40,8	41,5	42,1	42,8	43,5	44,1	44,8	45,4	46,0	46,7	47,3
4600	40,7	41,4	42,0	42,7	43,4	44,1	44,8	45,4	46,1	46,8	47,4	48,1	48,7
4700	42,0	42,6	43,3	44,0	44,7	45,4	46,1	46,8	47,5	48,2	48,8	49,5	50,1
4800	43,2	43,9	44,6	45,3	46,0	46,7	47,4	48,1	48,8	49,5	50,1	50,8	51,5
4900	44,5	45,2	45,9	46,6	47,3	48,0	48,8	49,5	50,2	50,9	51,6	52,3	53,0
5000	45,7	46,4	47,2	47,9	48,7	49,4	50,2	50,9	51,6	52,3	53,0	53,7	54,4
5100	47,0	47,7	48,5	49,2	50,0	50,8	51,6	52,3	53,0	53,7	54,4	55,1	55,8
5200	48,3	49,0	49,8	50,6	51,4	52,2	53,0	53,7	54,4	55,1	55,9	56,6	57,3
5300	49,6	50,4	51,2	52,0	52,8	53,5	54,3	55,1	55,8	56,6	57,3	58,0	58,8
5400	51,0	51,8	52,6	53,4	54,2	54,9	55,8	56,5	57,3	58,0	58,8	59,5	60,2
5500	52,3	53,1	53,9	54,7	55,5	56,3	57,2	58,0	58,7	59,5	60,2	61,0	61,7
5600	53,7	54,5	55,3	56,1	57,0	57,8	58,7	59,4	60,2	61,0	61,7	62,5	63,3
5700	55,1	55,9	56,8	57,5	58,4	59,2	60,1	60,9	61,6	62,4	63,2	64,0	64,8
5800	56,5	57,3	58,2	59,0	59,9	60,7	61,6	62,4	63,1	63,9	64,7	65,5	66,3
5900	57,9	58,7	59,6	60,4	61,3	62,1	63,0	63,9	64,7	65,4	66,2	67,0	67,8
6000	59,3	60,2	61,1	61,9	62,8	63,6	64,5	65,3	66,1	66,9	67,8	68,6	69,4
6100	60,7	61,6	62,6	63,4	64,3	65,1	66,0	66,8					
6200	62,2	63,1	64,0	64,9	65,8	66,6	67,5	68,3					
6300	63,6	64,6	65,5	66,2	67,3	68,1	69,0	69,9					
6400	65,2	66,1	67,0	67,8	68,7	69,6	70,5	71,4					
6500	66.6	67.5	68.5	69.4	70.3	21.2	72.1	73.0					

Table 9 Rapid Computation of Potential Temperature—Continued

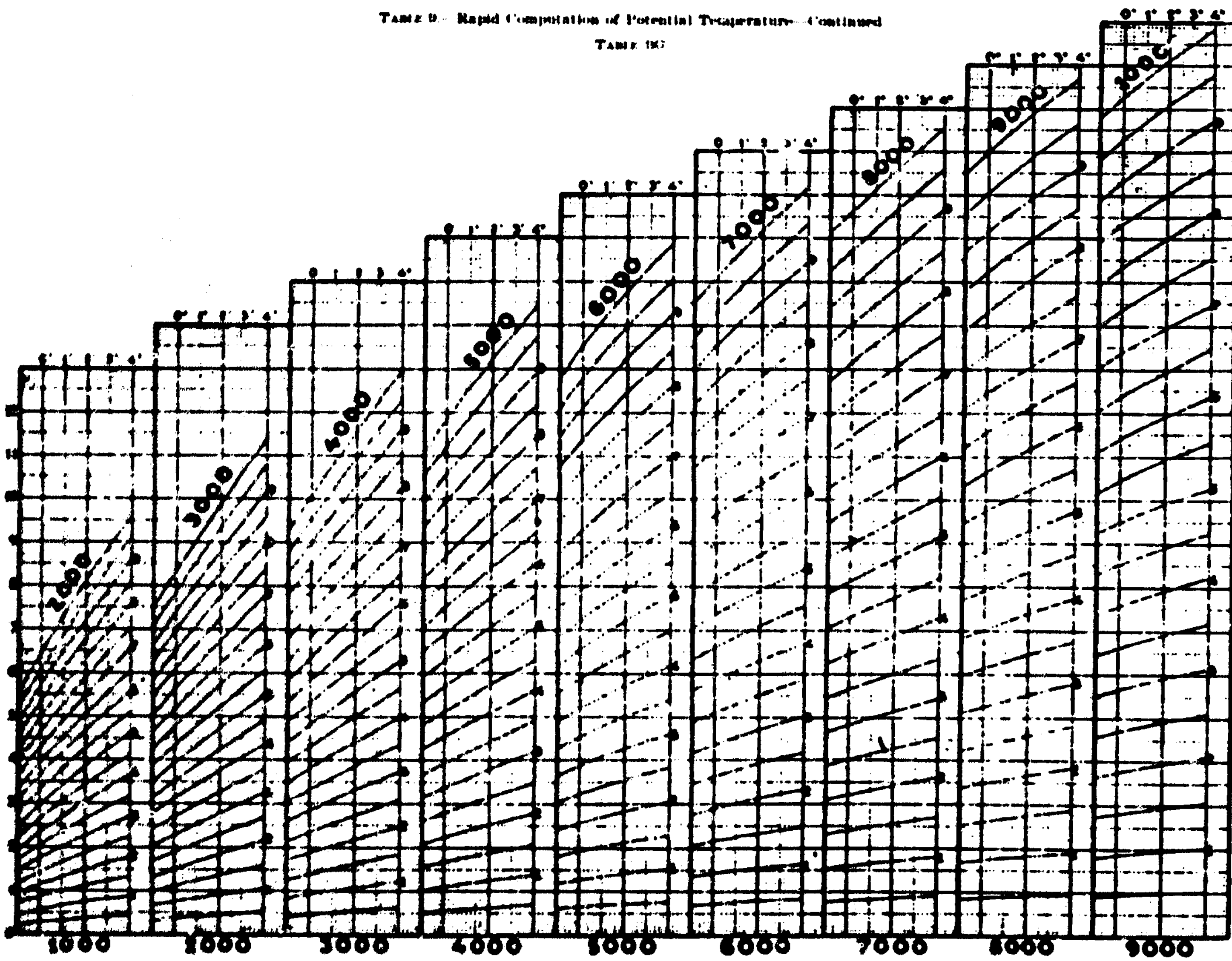
Table 9F



Adiabatic variations. Corrections to be applied to Table 9A for depths between those found in this table.

TABLE 9.—Rapid Computation of Potential Temperature—Continued

TABLE [illegible]



Adiabatic variations. Corrections to be applied to Table 98 for depths between those found in this table

TABLE 10 Determining Density of Sea Water

EXAMPLE OF COMPUTATION:

Given a temperature of 15.70° C. and a salinity of 30.47‰ compute the σ_t value.

1. Select the salinity interval of 30.00 to 39.90‰.

2. In column one, find the temperature interval in which 15.70 falls (always use the *lower* limit of the interval). The *lower* limit is 15.60° C.

3. Entering column one at 15.60° C, read the corresponding value of 22.00 in column two. This is the correct σ_t value for the base of the salinity interval, that is, for a salinity of 30.00‰ and temperature of 15.60° C.

4. To find the correct σ_t value for the given salinity of 30.47‰ multiply the designated f-factor in column three (.7680) by the last three digits of the given salinity (6.47), observing decimal places, and add the value obtained to the base value 22.00.

5. Round the value obtained (26.96896) to two decimal places. *ANSWER 26.97.*

Thus: Given 15.70° C and 30.47‰ S.

From table for Salinity 30.00 to 39.90‰, enter column one at lower limit of temperature interval (15.60)

$$\begin{array}{l} \text{Obtain base} \\ \text{value in} \\ \text{column two} \\ \\ 22.00 \end{array} + \left\{ \begin{array}{lcl} \text{f-factor} & & \text{last three} \\ \text{of column} & & \text{digits of} \\ \text{three} & \times & \text{given S} \\ & & \\ .7680 & & 6.47 \end{array} \right\}$$

26.96896 (round to two decimal places) ANSWER 26.97

(U.S. Naval Oceanographic Office, 1962)

TABLE 10.—Determining Density of Sea Water—Continued

DENSITY (σ_t)

Salinity 10.00‰ to 19.99‰

T. °C.	σ_t	f
-2.00 -1.91 -1.75	7.92 .93 .94	.8120
-1.59	7.95	.8110
-1.40 -1.21	7.96 .97	.8100
-1.01 -0.79 -0.55	7.98 .99 8.00	.8080
-0.28	8.01	.8060
0.03	8.02	.8045
0.40	8.03	.8040
0.92	8.04	.8020
1.40	8.04	.8000
1.99	8.04	.7980
2.40	8.04	.7970
2.82	8.03	.7950
3.35	8.02	.7940
3.74	8.01	.7930
4.06 .35	8.00 7.99	.7920
4.60 .83	7.98 .97	.7900
5.05 .25 .44	7.96 .95 .94	.7890
5.63 .80 .97	7.93 .92 .91	.7870

T. °C.	σ_t	f
6.13 .29 .44	7.90 .89 .88	.7860
6.59 .73 .87	7.87 .86 .85	.7840
7.01 .14 .27 .39	7.84 .83 .82 .81	.7830
7.52 .64 .76 .88 .99	7.80 .79 .78 .77 .76	.7820
8.10 .22 .33 .43	7.75 .74 .73 .72	.7805
8.54 .64 .75 .85 .95	7.71 .70 .69 .68 .67	.7790
9.05 .15 .24 .34 .43	7.66 .65 .64 .63 .62	.7780
9.53 .62 .71 .80 .89 .98	7.61 .60 .59 .58 .57 .56	.7770
10.07 .16 .24	7.55 .54 .53	.7755

T. °C.	σ_t	f
10.33 .41	7.52 .51	.7755
10.50 .58 .66 .75 .83 .91 .99	7.50 .49 .48 .47 .46 .45 .44	.7745
11.07 .15 .23 .30 .38 .46	7.43 .42 .41 .40 .39 .38	.7730
11.53 .61 .68 .76 .83 .91 .98	7.37 .36 .35 .34 .33 .32 .31	.7720
12.05 .12 .20 .27 .34 .41 .48	7.30 .29 .28 .27 .26 .25 .24	.7710
12.55 .62 .69 .76 .82 .89 .96	7.23 .22 .21 .20 .19 .18 .17	.7700
13.03 .09 .16 .23	7.16 .15 .14 .13	.7690

TABLE 10.—Determining Density of Sea Water—Continued

DENSITY (σ_t)

Salinity 10.00‰ to 19.99‰

T.°C.	σ_t	f
13.29	7.12	.7690
.36	.11	
.42	.10	
.49	.09	
13.55	7.08	.7675
.62	.07	
.68	.06	
.74	.05	
.81	.04	
.87	.03	
.93	.02	
14.00	7.01	.7665
.06	.00	
.12	6.99	
.18	.98	
.24	.97	
.30	.96	
.37	.95	
.43	.94	
.49	.93	
14.55	6.92	.7655
.61	.91	
.67	.90	
.73	.89	
.79	.88	
.84	.87	
.90	.86	
.96	.85	
15.02	6.84	.7645
.08	.83	
.14	.82	
.19	.81	
.25	.80	
.31	.79	
.37	.78	
.42	.77	
.48	.76	
15.54	6.75	.7635
.59	.74	
.65	.73	

T.°C	σ_t	f
15.70	6.72	.7635
.76	.71	
.82	.70	
.87	.69	
.93	.68	
.98	.67	
16.04	6.66	.7625
.09	.65	
.14	.64	
.20	.63	
.25	.62	
.31	.61	
.36	.60	
.41	.59	
.47	.58	
16.52	6.57	.7615
.57	.56	
.63	.55	
.68	.54	
.73	.53	
.79	.52	
.84	.51	
.89	.50	
.94	.49	
.99	.48	
17.05	6.47	.7610
.10	.46	
.15	.45	
.20	.44	
.25	.43	
.30	.42	
.35	.41	
.40	.40	
.45	.39	
17.50	6.38	.7600
.56	.37	
.61	.36	
.66	.35	
.71	.34	
.76	.33	
.81	.32	

T.°C.	σ_t	f
17.85	6.31	.7600
.90	.30	
.95	.29	
18.00	6.28	.7595
.05	.27	
.10	.26	
.15	.25	
.20	.24	
.25	.23	
.30	.22	
.34	.21	
.39	.20	
.44	.19	
.49	.18	
18.54	6.17	.7585
.58	.16	
.63	.15	
.68	.14	
.73	.13	
.77	.12	
.82	.11	
.87	.10	
.92	.09	
.96	.08	
19.01	6.07	.7575
.06	.06	
.10	.05	
.15	.04	
.20	.03	
.24	.02	
.29	.01	
.33	.00	
.38	5.99	
.43	.98	
.47	.97	
19.52	5.96	.7565
.56	.95	
.61	.94	
.65	.93	
.70	.92	
.75	.91	

TABLE 10.—Determining Density of Sea Water—Continued

DENSITY (σ_t)

Salinity 10.00°/oo to 19.99°/oo

T. °C.	σ_t	f
19.79	5.90	
.84	.89	
.88	.88	.7565
.93	.87	
.97	.86	
20.01	5.85	
.06	.84	
.10	.83	
.15	.82	
.19	.81	
.24	.80	.7555
.28	.79	
.33	.78	
.37	.77	
.41	.76	
.46	.75	
20.50	5.74	
.54	.73	
.59	.72	
.63	.71	
.68	.70	
.72	.69	
.76	.68	.7550
.81	.67	
.85	.66	
.89	.65	
.93	.64	
.98	.63	
21.02	5.62	
.06	.61	
.11	.60	
.15	.59	
.19	.58	
.23	.57	
.28	.56	.7545
.32	.55	
.36	.54	
.40	.53	
.44	.52	
.49	.51	

T. °C.	σ_t	f
21.53	5.50	
.57	.49	
.61	.48	
.65	.47	
.70	.46	
.74	.45	
.78	.44	.7535
.82	.43	
.86	.42	
.90	.41	
.94	.40	
.98	.39	
22.03	5.38	
.07	.37	
.11	.36	
.15	.35	
.19	.34	
.23	.33	
.27	.32	.7525
.31	.31	
.35	.30	
.39	.29	
.43	.28	
.47	.27	
22.51	5.26	
.55	.25	
.59	.24	
.63	.23	
.67	.22	
.71	.21	
.75	.20	.7515
.79	.19	
.83	.18	
.87	.17	
.91	.16	
.95	.15	
.99	.14	
23.03	5.13	
.07	.12	.7515
.11	.11	

T. °C.	σ_t	f
23.15	5.10	
.19	.09	
.23	.08	
.27	.07	
.31	.06	.7515
.35	.05	
.39	.04	
.42	.03	
.46	.02	
23.50	5.01	
.54	.00	
.58	4.99	
.62	.98	
.66	.97	
.70	.96	
.73	.95	.7505
.77	.94	
.81	.93	
.85	.92	
.89	.91	
.93	.90	
.96	.89	
24.00	4.88	
.04	.87	
.08	.86	
.12	.85	
.15	.84	
.19	.83	
.23	.82	
.27	.81	.7495
.31	.80	
.34	.79	
.38	.78	
.42	.77	
.46	.76	
.49	.75	
24.53	4.74	
.57	.73	
.61	.72	.7490
.64	.71	

TABLE 10.—Determining Density of Sea Water—Continued

DENSITY (σ_t)

Salinity 10.00‰ to 19.99‰

T. °C.	σ_t	f
24.68	4.70	.7490
.72	.69	
.76	.68	
.79	.67	
.83	.66	
.87	.65	
.90	.64	
.94	.63	
.98	.62	
25.01	4.61	.7485
.05	.60	
.09	.59	
.12	.58	
.16	.57	
.20	.56	
.23	.55	
.27	.54	
.31	.53	
.34	.52	
.38	.51	
.42	.50	
.45	.49	
.49	.48	
25.53	4.47	.7475
.56	.46	
.60	.45	
.63	.44	
.67	.43	
.71	.42	
.74	.41	
.78	.40	
.81	.39	
.85	.38	
.89	.37	
.92	.36	
.96	.35	
.99	.34	
26.03	4.33	.7470
.06	.32	
.10	.31	
.13	.30	

T. °C.	σ_t	f
26.17	4.29	.7470
.21	.28	
.24	.27	
.28	.26	
.31	.25	
.35	.24	
.38	.23	
.42	.22	
.45	.21	
.49	.20	
26.52	4.19	.7465
.56	.18	
.59	.17	
.63	.16	
.66	.15	
.70	.14	
.73	.13	
.77	.12	
.80	.11	
.84	.10	
.87	.09	
.91	.08	
.94	.07	
.98	.06	
27.01	4.05	.7460
.04	.04	
.08	.03	
.11	.02	
.15	.01	
.18	.00	
.22	3.99	
.25	.98	
.28	.97	
.32	.96	
.35	.95	
.39	.94	
.42	.93	
.46	.92	
.49	.91	
27.52	3.90	.7450
.56	.89	

T. °C.	σ_t	f
27.59	3.88	.7450
.63	.87	
.66	.86	
.69	.85	
.73	.84	
.76	.83	
.79	.82	
.83	.81	
.86	.80	
.90	.79	
.93	.78	
.96	.77	
28.00	3.76	.7445
.03	.75	
.06	.74	
.10	.73	
.13	.72	
.16	.71	
.20	.70	
.23	.69	
.26	.68	
.30	.67	
.33	.66	
.36	.65	
.40	.64	
.43	.63	
.46	.62	
28.50	3.61	.7440
.53	.60	
.56	.59	
.59	.58	
.63	.57	
.66	.56	
.69	.55	
.73	.54	
.76	.53	
.79	.52	
.82	.51	
.86	.50	
.89	.49	
.92	.48	
.95	.47	

TABLE 10.—Determining Density of Sea Water—Continued

DENSITY (σ_t)

Salinity 10.00‰ to 19.99‰

T. °C.	σ_t	f
28.99	3.46	.7440
29.02	3.45	
.05	.44	
.08	.43	
.12	.42	
.15	.41	
.18	.40	
.21	.39	
.25	.38	.7430
.28	.37	
.31	.36	
.34	.35	
.38	.34	
.41	.33	
.44	.32	
.47	.31	
29.50	3.30	
.54	.29	
.57	.28	
.60	.27	
.63	.26	
.66	.25	
.70	.24	
.73	.23	
.76	.22	.7430
.79	.21	
.82	.20	
.86	.19	
.89	.18	
.92	.17	
.95	.16	
.98	.15	

TABLE 10. —Determining Density of Sea Water—Continued

DENSITY (σ_t)

Salinity 20.00°/oo to 29.99°/oo

T. °C.	σ_t	f
-2.00	16.04	.8100
-1.95	.05	
-1.52	16.06	
-0.75	16.07	.8060
0.14	16.06	.8040
0.92	16.05	.8000
1.37	16.04	
1.72	16.03	.7970
2.03	16.02	
.30	.01	
2.54	16.00	.7950
.77	15.99	
.98	.98	
3.18	15.97	.7930
.37	.96	
3.55	15.95	
.72	.94	
.89	.93	
4.05	15.92	.7890
.21	.91	
.36	.90	
4.50	15.89	
.64	.88	
.78	.87	
.92	.86	
5.05	15.85	
.18	.84	
.30	.83	
.43	.82	
5.55	15.81	.7860
.67	.80	

T. °C.	σ_t	f
5.78	15.79	.7860
.90	.78	
6.01	15.77	.7850
.12	.76	
.23	.75	
.34	.74	
.45	.73	
.55	.72	
.66	.71	
.76	.70	
.86	.69	
.96	.68	
7.06	15.67	.7820
.15	.66	
.25	.65	
.35	.64	
.44	.63	
7.53	15.62	
.62	.61	
.72	.60	
.81	.59	
.89	.58	
.98	.57	
8.07	15.56	.7800
.16	.55	
.24	.54	
.33	.53	
.41	.52	
8.50	15.51	.7790
.58	.50	
.66	.49	
.74	.48	
.83	.47	
.91	.46	
.99	.45	
9.07	15.44	.7780
.14	.43	
.22	.42	
.30	.41	

T. °C.	σ_t	f
9.38	15.40	.7780
.45	.39	
9.53	15.38	.7760
.61	.37	
.68	.36	
.76	.35	
.83	.34	
.90	.33	
.98	.32	
10.05	15.31	
.12	.30	
.19	.29	
.27	.28	
.34	.27	
.41	.26	
.48	.25	
10.55	15.24	.7740
.62	.23	
.69	.22	
.75	.21	
.82	.20	
.89	.19	
.96	.18	
11.03	15.17	
.09	.16	
.16	.15	
.23	.14	
.29	.13	
.36	.12	
.42	.11	
.49	.10	
11.55	15.09	.7720
.62	.08	
.68	.07	
.75	.06	
.81	.05	
.87	.04	
.94	.03	
12.00	15.02	.7710

TABLE 10.—Determining Density of Sea Water—Continued

DENSITY (σ_t)

Salinity 20.00‰ to 29.99‰

T. °C.	σ_t	f
12.06	15.01	.7710
.12	.00	
.19	14.99	
.25	.98	
.31	.97	
.37	.96	
.42	.95	
.49	.94	
12.55	14.93	.7700
.61	.92	
.67	.91	
.73	.90	
.79	.89	
.85	.88	
.91	.87	
.97	.86	
13.03	14.85	.7690
.09	.84	
.14	.83	
.20	.82	
.26	.81	
.32	.80	
.38	.79	
.43	.78	
.49	.77	
13.55	14.76	.7680
.60	.75	
.66	.74	
.72	.73	
.77	.72	
.83	.71	
.88	.70	
.94	.69	
.99	.68	
14.05	14.67	.7670
.10	.66	
.16	.65	
.21	.64	
.27	.63	
.32	.62	
.38	.61	

T. °C.	σ_t	f
14.43	14.60	.7670
.49	.59	
14.54	14.58	.7660
.59	.57	
.65	.56	
.70	.55	
.75	.54	
.81	.53	
.86	.52	
.91	.51	
.96	.50	
15.01	14.49	.7650
.07	.48	
.12	.47	
.17	.46	
.22	.45	
.27	.44	
.33	.43	
.38	.42	
.43	.41	
.48	.40	
15.53	14.39	.7640
.58	.38	
.63	.37	
.68	.36	
.73	.35	
.78	.34	
.83	.33	
.88	.32	
.93	.31	
.98	.30	
16.03	14.29	.7630
.08	.28	
.13	.27	
.18	.26	
.23	.25	
.28	.24	
.33	.23	
.38	.22	
.43	.21	
.47	.20	

T. °C.	σ_t	f
16.52	14.19	.7620
.57	.18	
.62	.17	
.67	.16	
.72	.15	
.76	.14	
.81	.13	
.86	.12	
.91	.11	
.95	.10	
17.00	14.09	.7610
.05	.08	
.10	.07	
.14	.06	
.19	.05	
.24	.04	
.28	.03	
.33	.02	
.38	.01	
.42	.00	
.47	13.99	
17.52	13.98	.7600
.56	.97	
.61	.96	
.65	.95	
.70	.94	
.75	.93	
.79	.92	
.84	.91	
.88	.90	
.93	.89	
.97	.88	
18.02	13.87	.7590
.06	.86	
.11	.85	
.15	.84	
.20	.83	
.24	.82	
.29	.81	
.33	.80	
.38	.79	
.42	.78	

TABLE 10.—Determining Density of Sea Water—Continued

DENSITY (σ_t)

Salinity 20.00‰ to 29.99‰

T. °C.	σ_t	f
18.47	13.77	.7590
18.51	13.76	.7580
.55	.75	
.60	.74	
.64	.73	
.69	.72	
.73	.71	
.77	.70	
.82	.69	
.86	.68	
.91	.67	
.95	.66	
.99	.65	
19.04	13.64	.7570
.08	.63	
.12	.62	
.17	.61	
.21	.60	
.25	.59	
.29	.58	
.34	.57	
.38	.56	
.42	.55	
.46	.54	
19.51	13.53	.7560
.55	.52	
.59	.51	
.63	.50	
.68	.49	
.72	.48	
.76	.47	
.80	.46	
.84	.45	
.89	.44	
.93	.43	
.97	.42	
20.01	13.41	.7560
.05	.40	
.10	.39	
.14	.38	
.18	.37	

T. °C.	σ_t	f
20.22	13.36	.7560
.26	.35	
.30	.34	
.34	.33	
.38	.32	
.42	.31	
.47	.30	
20.51	13.29	.7560
.55	.28	
.59	.27	
.63	.26	
.67	.25	
.71	.24	
.75	.23	
.79	.22	
.83	.21	
.87	.20	
.91	.19	
.95	.18	
.99	.17	
21.03	13.16	.7550
.07	.15	
.11	.14	
.15	.13	
.19	.12	
.23	.11	
.27	.10	
.31	.09	
.35	.08	
.39	.07	
.43	.06	
.47	.05	
21.51	13.04	.7540
.55	.03	
.59	.02	
.63	.01	
.67	.00	
.71	12.99	
.74	.98	
.78	.97	
.82	.96	
.86	.95	

T. °C.	σ_t	f
21.90	12.94	.7540
.94	.93	
.98	.92	
22.03	12.91	.7540
.06	.90	
.09	.89	
.13	.88	
.17	.87	
.21	.86	
.25	.85	
22.29	12.84	.7530
.32	.83	
.36	.82	
.40	.81	
.44	.80	
.48	.79	
.51	.78	
.55	.77	
.59	.76	
.63	.75	
.67	.74	
.70	.73	
.74	.72	
.78	.71	
.82	.70	
.85	.69	
.89	.68	
.93	.67	
.97	.66	
23.00	12.65	.7520
.04	.64	
.08	.63	
.12	.62	
.15	.61	
.19	.60	
.23	.59	
.27	.58	
.30	.57	
.34	.56	
.38	.55	
.41	.54	
.45	.53	

TABLE 10.—Determining Density of Sea Water—Continued

DENSITY (σ_t)

Salinity 20.00°/oo to 29.99°/oo

T. °C.	σ_t	f
23.49	12.52	.7520
23.52	12.51	.7510
.56	.50	
.60	.49	
.63	.48	
.67	.47	
.71	.46	
.74	.45	
.78	.44	
.82	.43	
.85	.42	
.89	.41	
.92	.40	
.96	.39	
24.00	12.38	.7510
.03	.37	
.07	.36	
.11	.35	
.14	.34	
.18	.33	
.21	.32	
.25	.31	
.29	.30	
.32	.29	
.36	.28	
.39	.27	
.43	.26	
.46	.25	
24.50	12.24	.7500
.54	.23	
.57	.22	
.61	.21	
.64	.20	
.68	.19	
.71	.18	
.75	.17	
.78	.16	
.82	.15	
.85	.14	
.88	.13	
.92	.12	
24.96	12.11	.7500
.99	.10	
25.03	12.09	.7500
.06	.08	
.10	.07	
.13	.06	
.17	.05	
.20	.04	
.23	.03	
.27	.02	
.31	.01	
.34	.00	
.38	11.99	
.41	.98	
.45	.97	
.48	.96	
25.52	11.95	.7490
.55	.94	
.59	.93	
.62	.92	
.65	.91	
.69	.90	
.72	.89	
.76	.88	
.79	.87	
.83	.86	
.86	.85	
.89	.84	
.93	.83	
.96	.82	
26.00	11.81	.7490
.03	.80	
.06	.79	
.10	.78	
.13	.77	
.17	.76	
.20	.75	
.23	.74	
.27	.73	
.30	.72	
.34	.71	
26.37	11.70	.7490
.40	.69	
.44	.68	
.47	.67	
26.50	11.66	.7480
.54	.65	
.57	.64	
.60	.63	
.63	.62	
.66	.61	
.70	.60	
.74	.59	
.77	.58	
.80	.57	
.83	.56	
.87	.55	
.90	.54	
.94	.53	
.97	.52	
27.00	11.51	.7480
.04	.50	
.07	.49	
.10	.48	
.13	.47	
.17	.46	
.20	.45	
.23	.44	
.27	.43	
.30	.42	
.33	.41	
.36	.40	
.40	.39	
.43	.38	
.46	.37	
27.50	11.36	.7470
.53	.35	
.56	.34	
.59	.33	
.63	.32	
.66	.31	
.69	.30	

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TABLE 10.—Determining Density of Sea Water—Continued

DENSITY (σ_t)

Salinity 20.00°/oo to 29.99°/oo

T. °C.	σ_t	f
27.72	11.29	
.75	.28	
.78	.27	
.82	.26	
.85	.25	.7470
.88	.24	
.92	.23	
.95	.22	
.98	.21	
28.01	11.20	
.05	.19	
.08	.18	
.11	.17	
.14	.16	
.17	.15	
.21	.14	
.24	.13	
.27	.12	.7460
.30	.11	
.33	.10	
.36	.09	
.40	.08	
.43	.07	
.46	.06	
.49	.05	
28.52	11.04	
.56	.03	
.59	.02	
.62	.01	
.65	.00	
.68	10.99	
.71	.98	.7460
.75	.97	
.78	.96	
.81	.95	
.84	.94	
.87	.93	

T. °C.	σ_t	f
28.90	10.92	
.93	.91	.7460
.97	.90	
29.00	10.89	
.03	.88	
.06	.87	
.09	.86	
.12	.85	
.15	.84	
.18	.83	
.21	.82	
.25	.81	.7450
.28	.80	
.31	.79	
.34	.78	
.37	.77	
.40	.76	
.43	.75	
.46	.74	
.49	.73	
29.52	10.72	
.56	.71	
.59	.70	
.62	.69	
.65	.68	
.68	.67	
.71	.66	
.74	.65	
.77	.64	.7450
.80	.63	
.83	.62	
.86	.61	
.89	.60	
.92	.59	
.96	.58	
.99	.57	

TABLE 10.—Determining Density of Sea Water—Continued

DENSITY (σ_t)

Salinity 30.00‰ to 39.99‰

T. °C.	σ_t	f
-2.00	24.15	.8120
-1.75	.14	
-1.13	24.13	.8100
-0.71	24.12	.8090
-0.37	24.11	.8070
-0.08	.10	
0.18	24.09	.8050
0.42	.08	
0.64	24.07	.8040
0.85	.06	
1.05	24.05	.8020
.24	.04	
.41	.03	
1.58	24.02	.8010
.75	.01	
.91	24.00	
2.06	23.99	.8000
.21	.98	
.35	.97	
2.50	23.96	.7980
.63	.95	
.77	.94	
.90	.93	
3.03	23.92	.7970
.15	.91	
.27	.90	
.40	.89	
3.51	23.88	.7950
.62	.87	
.74	.86	
.86	.85	
.97	.84	

T. °C.	σ_t	f
4.07	23.83	.7940
.18	.82	
.29	.81	
.40	.80	
4.50	23.79	.7930
.60	.78	
.70	.77	
.80	.76	
.90	.75	
5.00	23.74	.7910
.09	.73	
.19	.72	
.27	.71	
.37	.70	
.46	.69	
5.56	23.68	.7900
.65	.67	
.73	.66	
.82	.65	
.91	.64	
6.00	23.63	.7890
.08	.62	
.17	.61	
.25	.60	
.34	.59	
.42	.58	
6.50	23.57	.7880
.59	.56	
.67	.55	
.75	.54	
.83	.53	
.91	.52	
.99	.51	
7.06	23.50	.7860
.14	.49	
.22	.48	
.30	.47	

T. °C.	σ_t	f
7.37	23.46	.7860
.45	.45	
7.52	23.44	.7850
.60	.43	
.67	.42	
.75	.41	
.82	.40	
.89	.39	
.96	.38	
8.04	23.37	.7840
.11	.36	
.18	.35	
.25	.34	
.32	.33	
.39	.32	
.46	.31	
8.53	23.30	.7830
.60	.29	
.67	.28	
.74	.27	
.80	.26	
.87	.25	
.94	.24	
9.01	23.23	.7820
.07	.22	
.14	.21	
.20	.20	
.27	.19	
.34	.18	
.40	.17	
.47	.16	
9.53	23.15	.7810
.59	.14	
.66	.13	
.72	.12	
.79	.11	
.85	.10	
.91	.09	

TABLE 10.—Determining Density of Sea Water—Continued

DENSITY (σ_t)

Salinity 30.00°/oo to 39.99°/oo

T. °C.	σ_t	f
9.97	23.08	.7810
10.04	23.07	.7790
.10	.06	
.16	.05	
.22	.04	
.28	.03	
.34	.02	
.40	.01	
.47	.00	
10.53	22.99	.7780
.59	.98	
.65	.97	
.71	.96	
.77	.95	
.82	.94	
.88	.93	
.94	.92	
11.00	22.91	.7770
.06	.90	
.12	.89	
.18	.88	
.23	.87	
.29	.86	
.35	.85	
.41	.84	
.46	.83	
11.52	22.82	.7760
.58	.81	
.63	.80	
.69	.79	
.74	.78	
.80	.77	
.86	.76	
.91	.75	
.97	.74	
12.02	22.73	.7750
.08	.72	
.13	.71	
.19	.70	

T. °C.	σ_t	f
12.24	22.69	.7750
.30	.68	
.35	.67	
.40	.66	
.46	.65	
12.51	22.64	.7740
.57	.63	
.62	.62	
.67	.61	
.73	.60	
.78	.59	
.83	.58	
.88	.57	
.94	.56	
.99	.55	
13.04	22.54	.7730
.09	.53	
.15	.52	
.20	.51	
.25	.50	
.30	.49	
.35	.48	
.40	.47	
.46	.46	
13.51	22.45	.7720
.56	.44	
.61	.43	
.66	.42	
.71	.41	
.76	.40	
.81	.39	
.86	.38	
.91	.37	
.96	.36	
14.01	22.35	.7710
.06	.34	
.11	.33	
.16	.32	
.21	.31	
.26	.30	

T. °C.	σ_t	f
14.31	22.29	.7710
.36	.28	
.40	.27	
.45	.26	
14.50	22.25	.7700
.55	.24	
.60	.23	
.65	.22	
.70	.21	
.74	.20	
.79	.19	
.84	.18	
.89	.17	
.94	.16	
.98	.15	
15.03	22.14	.7690
.08	.13	
.13	.12	
.17	.11	
.22	.10	
.27	.09	
.31	.08	
.36	.07	
.41	.06	
.45	.05	
15.50	22.04	.7680
.55	.03	
.59	.02	
.64	.01	
.69	.00	
.73	21.99	
.78	.98	
.82	.97	
.87	.96	
.92	.95	
.96	.94	
16.01	21.93	.7680
.05	.92	
.10	.91	
.14	.90	

TABLE 10.—Determining Density of Sea Water—Continued

DENSITY (σ_t)

Salinity 30.00‰ to 39.99‰

T. °C.	σ_t	f
16.19	21.89	.7680
.23	.88	
.28	.87	
.32	.86	
.37	.85	
.41	.84	
.46	.83	
16.50	21.82	.7670
.55	.81	
.59	.80	
.63	.79	
.68	.78	
.72	.77	
.77	.76	
.81	.75	
.86	.74	
.90	.73	
.94	.72	
.99	.71	
17.03	21.70	.7660
.07	.69	
.12	.68	
.16	.67	
.20	.66	
.25	.65	
.29	.64	
.33	.63	
.38	.62	
.42	.61	
.46	.60	
17.51	21.59	.7650
.55	.58	
.59	.57	
.63	.56	
.68	.55	
.72	.54	
.76	.53	
.80	.52	
.85	.51	
.89	.50	
.93	.49	
.97	.48	

T. °C.	σ_t	f
18.01	21.47	.7640
.06	.46	
.10	.45	
.14	.44	
.18	.43	
.22	.42	
.27	.41	
.31	.40	
.35	.39	
.39	.38	
.43	.37	
.47	.36	
18.51	21.35	.7630
.55	.34	
.60	.33	
.64	.32	
.68	.31	
.72	.30	
.76	.29	
.80	.28	
.84	.27	
.88	.26	
.92	.25	
.96	.24	
19.00	21.23	.7630
.04	.22	
.08	.21	
.13	.20	
.17	.19	
.21	.18	
.25	.17	
.29	.16	
.33	.15	
.37	.14	
.41	.13	
.45	.12	
.49	.11	
19.53	21.10	.7620
.57	.09	
.60	.08	
.64	.07	
.68	.06	

T. °C.	σ_t	f
19.72	21.05	.7620
.76	.04	
.80	.03	
.84	.02	
.88	.01	
.92	.00	
.96	20.99	
20.00	20.98	.7610
.04	.97	
.08	.96	
.12	.95	
.15	.94	
.19	.93	
.23	.92	
.27	.91	
.31	.90	
.35	.89	
.39	.88	
.43	.87	
.46	.86	
20.50	20.85	.7600
.54	.84	
.58	.83	
.62	.82	
.66	.81	
.69	.80	
.73	.79	
.77	.78	
.81	.77	
.85	.76	
.89	.75	
.92	.74	
.96	.73	
21.00	20.72	.7600
.04	.71	
.07	.70	
.11	.69	
.15	.68	
.19	.67	
.22	.66	
.26	.65	
.30	.64	

TABLE 10.—Determining Density of Sea Water—Continued

DENSITY (σ_t)

Salinity 30.00°/oo to 39.99°/oo

T. °C.	σ_t	f
21.34	20.63	
.37	.62	
.41	.61	.7600
.45	.60	
.49	.59	
21.52	20.58	
.56	.57	
.60	.56	
.64	.55	
.67	.54	
.71	.53	
.75	.52	.7590
.78	.51	
.82	.50	
.86	.49	
.89	.48	
.93	.47	
.97	.46	
22.00	20.45	
.04	.44	
.08	.43	
.11	.42	
.15	.41	
.19	.40	
.22	.39	
.26	.38	.7580
.30	.37	
.33	.36	
.37	.35	
.40	.34	
.44	.33	
.48	.32	
22.51	20.31	
.55	.30	
.59	.29	
.62	.28	
.66	.27	.7580
.69	.26	
.73	.25	
.76	.24	
.80	.23	

T. °C.	σ_t	f
22.84	20.22	
.87	.21	
.91	.20	.7580
.94	.19	
.98	.18	
23.01	20.17	
.05	.16	
.09	.15	
.12	.14	
.16	.13	
.19	.12	
.23	.11	
.26	.10	.7570
.30	.09	
.33	.08	
.37	.07	
.40	.06	
.44	.05	
.47	.04	
23.51	20.03	
.54	.02	
.58	.01	
.61	.00	
.65	19.99	
.68	.98	
.72	.97	
.75	.96	.7560
.79	.95	
.82	.94	
.86	.93	
.89	.92	
.93	.91	
.96	.90	
24.00	19.89	
.03	.88	
.07	.87	
.10	.86	
.13	.85	.7560
.17	.84	
.20	.83	
.24	.82	

T. °C.	σ_t	f
24.27	19.81	
.30	.80	
.34	.79	
.37	.78	.7560
.41	.77	
.44	.76	
.48	.75	
24.51	19.74	
.54	.73	
.58	.72	
.61	.71	
.65	.70	
.68	.69	
.71	.68	
.75	.67	.7550
.78	.66	
.81	.65	
.85	.64	
.88	.63	
.92	.62	
.95	.61	
.98	.60	
25.02	19.59	
.05	.58	
.08	.57	
.12	.56	
.15	.55	
.18	.54	
.22	.53	
.25	.52	.7550
.28	.51	
.32	.50	
.35	.49	
.38	.48	
.42	.47	
.45	.46	
.48	.45	
25.52	19.44	
.55	.43	
.58	.42	.7540
.62	.41	

TABLE 10.—Determining Density of Sea Water—Continued

DENSITY (σ_t)

Salinity 30.00‰ to 39.99‰

T. °C.	σ_t	f
25.65	19.40	
.68	.39	
.71	.38	
.75	.37	
.78	.36	
.81	.35	.7540
.85	.34	
.88	.33	
.91	.32	
.94	.31	
.98	.30	
26.01	19.29	
.04	.28	
.08	.27	
.11	.26	
.14	.25	
.17	.24	
.21	.23	
.24	.22	.7530
.27	.21	
.30	.20	
.34	.19	
.37	.18	
.40	.17	
.43	.16	
.46	.15	
26.50	19.14	
.53	.13	
.56	.12	
.59	.11	
.63	.10	
.66	.09	
.69	.08	
.72	.07	
.75	.06	.7530
.79	.05	
.82	.04	
.85	.03	
.88	.02	
.91	.01	
.95	.00	
.98	18.99	

T. °C.	σ_t	f
27.01	18.98	
.04	.97	
.07	.96	
.11	.95	
.14	.94	
.17	.93	
.20	.92	
.23	.91	
.26	.90	.7520
.30	.89	
.33	.88	
.36	.87	
.39	.86	
.42	.85	
.45	.84	
.48	.83	
27.52	18.82	
.55	.81	
.58	.80	
.61	.79	
.64	.78	
.67	.77	
.70	.76	
.74	.75	
.77	.74	.7520
.80	.73	
.83	.72	
.86	.71	
.89	.70	
.92	.69	
.95	.68	
.98	.67	
28.02	18.66	
.05	.65	
.08	.64	
.11	.63	
.14	.62	
.17	.61	.7510
.20	.60	
.23	.59	
.26	.58	
.29	.57	

T. °C.	σ_t	f
28.32	18.56	
.36	.55	
.39	.54	
.42	.53	.7510
.45	.52	
.48	.51	
28.51	18.50	
.54	.49	
.57	.48	
.60	.47	
.63	.46	
.66	.45	
.69	.44	
.72	.43	
.75	.42	.7510
.78	.41	
.81	.40	
.85	.39	
.88	.38	
.91	.37	
.94	.36	
.97	.35	
29.00	18.34	
.03	.33	
.06	.32	
.09	.31	
.12	.30	
.15	.29	
.18	.28	
.21	.27	
.24	.26	.7510
.27	.25	
.30	.24	
.33	.23	
.36	.22	
.39	.21	
.42	.20	
.45	.19	
.48	.18	
29.51	18.17	.7500
.54	.16	

TABLE 10.—Determining Density of Sea Water—Continued

DENSITY (σ_t)

Salinity 30.00°/oo to 39.99°/oo

T. °C.	σ_t	f
29.57	18.15	
.60	.14	
.63	.13	
.66	.12	
.69	.11	
.72	.10	
.75	.09	
.78	.08	.7500
.81	.07	
.84	.06	
.87	.05	
.90	.04	
.93	.03	
.96	.02	
.99	.01	

TABLE 11.—Determining Electrical Conductivity of Sea Water

EXAMPLE OF COMPUTATION:

Given a temperature of 19.90° C. and salinity of 34.26‰ compute the electrical conductivity or L-value (mhos/cm²).

1. Select the salinity interval of 30.00 to 39.99‰.
2. In column one find the temperature interval in which 19.90° C. falls and round to the nearest (upper in this example) limit of the interval or 20.00° C.
3. Entering column one at 20.00° C. read the corresponding L-value of .0417 in column two. This is the correct L-value for the base of the salinity interval, that is, for a salinity of 30.00‰ and temperature of 19.90° C.
4. To find the correct L-value for the given salinity of 34.26‰, multiply the designated f-factor (.001216) in column three by the last three digits of the given salinity (4.26), observing decimal places, and add the value obtained to the base value .0417.
5. Round the value obtained (.04688016) to four decimal places. *ANSWER .0469.*

Thus: Given 19.90° C. and 34.26‰ S.

From table for Salinity 30.00‰ to 39.99‰, enter column one at nearest limit of temperature interval (20.00):

$$\begin{array}{c} \text{Obtain base} \\ \text{L-value in} \\ \text{column two} \\ \\ .0417 \end{array} + \left\{ \begin{array}{ccc} \text{f-factor} & & \text{last three} \\ \text{of column} & & \text{digits of} \\ \text{three} & \times & \text{given S.} \\ & & \\ .001216 & & 4.26 \end{array} \right\} =$$

.04688016 (round to four decimal places) ANSWER .0469 (mhos/cm²)

(U.S. Naval Oceanographic Office, 1962)

TABLE 11. Determining Electrical Conductivity of Sea Water—Continued

ELECTRICAL CONDUCTIVITY (L)

Salinity 0‰ to 9.99‰

T. °C.	L	f
-2.00	.0002	.000842
-1.50		855
-1.00		868
-0.50		881
0.00	.0002	894
0.50		908
1.00	.0002	922
1.50		937
2.00	.0002	951
2.50		965
3.00	.0002	979
3.50		993
4.00	.0002	.001008
4.50		1022
5.00	.0002	1036
5.50		1051
6.00	.0002	1065
6.50		1080
7.00	.0002	1094
7.50	.0003	1109
8.00	.0003	1124
8.50		1138
9.00	.0003	1153
9.50		1167
10.00	.0003	1182
10.50		1197
11.00	.0003	1213
11.50		1228
12.00	.0003	1243
12.50		1259
13.00	.0003	1274
13.50		1289
14.00	.0003	1304
14.50		1320

T. °C.	L	f
15.00	.0003	.001335
15.50		1351
16.00	.0003	1367
16.50		1383
17.00	.0003	1399
17.50	.0004	1415
18.00	.0004	1430
18.50		1446
19.00	.0004	1462
19.50		1478
20.00	.0004	1494
20.50		1510
21.00	.0004	1527
21.50		1543
22.00	.0004	1560
22.50		1576
23.00	.0004	1592
23.50		1609
24.00	.0004	1625
24.50		1642
25.00	.0004	1658
25.50		1674
26.00	.0004	1690
26.50		1706
27.00	.0004	1722
27.50	.0005	1738
28.00	.0005	1754
28.50		1770
29.00	.0005	1786
29.50		1802
30.00	.0005	1818

TABLE 11. Determining Electrical Conductivity of Sea Water—Continued

ELECTRICAL CONDUCTIVITY (L)

Salinity 10‰ to 19.99‰

T. °C.	L	f
-2.00	.0086	.000778
-1.50	87	790
-1.00	89	802
-0.50	.0090	814
0.00	.0091	826
0.50	93	839
1.00	.0094	851
1.50	96	864
2.00	.0097	876
2.50	99	889
3.00	.0100	902
3.50	102	914
4.00	.0103	927
4.50	104	939
5.00	.0106	952
5.50	107	965
6.00	.0109	978
6.50	110	992
7.00	.0112	.001005
7.50	113	1018
8.00	.0115	1031
8.50	116	1044
9.00	.0118	1058
9.50	119	1071
10.00	.0121	1084
10.50	122	1098
11.00	.0124	1111
11.50	126	1125
12.00	.0127	1138
12.50	129	1152
13.00	.0130	1165
13.50	132	1179
14.00	.0133	.001192
14.50	135	1206
15.00	.0137	1219
15.50	138	1233
16.00	.0140	1247
16.50	141	1262
17.00	.0143	1276
17.50	145	1290
18.00	.0146	1304
18.50	148	1318
19.00	.0150	1333
19.50	151	1347
20.00	.0153	1361
20.50	155	1376
21.00	.0156	1390
21.50	158	1405
22.00	.0160	1420
22.50	161	1435
23.00	.0163	1449
23.50	165	1464
24.00	.0166	1479
24.50	168	1493
25.00	.0170	1508
25.50	171	1523
26.00	.0173	1538
26.50	175	1553
27.00	.0177	1568
27.50	178	1584
28.00	.0180	1599
28.50	182	1614
29.00	.0184	1629
29.50	185	1644
30.00	.0187	1659

TABLE 11. Determining Electrical Conductivity of Sea Water—Continued

ELECTRICAL CONDUCTIVITY (L)

Salinity 20‰ to 20.99‰

T. °C.	L	f
-2.00	.0164	.000738
-1.50	167	750
-1.00	169	761
-0.50	171	772
0.00	.0174	784
0.50	177	796
1.00	179	807
1.50	182	819
2.00	185	831
2.50	188	843
3.00	190	854
3.50	193	866
4.00	196	878
4.50	198	889
5.00	.0201	901
5.50	204	913
6.00	207	925
6.50	210	937
7.00	212	949
7.50	215	962
8.00	218	974
8.50	221	986
9.00	224	998
9.50	226	.001010
10.00	.0229	1022
10.50	232	1035
11.00	235	1048
11.50	238	1060
12.00	241	1073
12.50	244	1086
13.00	247	1099
13.50	250	1112

T. °C.	L	f
14.00	.0253	.001124
14.50	256	1137
15.00	259	1150
15.50	262	1163
16.00	265	1176
16.50	268	1189
17.00	271	1202
17.50	274	1215
18.00	277	1228
18.50	280	1241
19.00	283	1254
19.50	286	1267
20.00	.0289	1280
20.50	292	1294
21.00	295	1307
21.50	298	1321
22.00	302	1334
22.50	305	1348
23.00	308	1362
23.50	311	1375
24.00	314	1389
24.50	317	1402
25.00	.0320	1416
25.50	324	1430
26.00	327	1444
26.50	330	1458
27.00	333	1472
27.50	337	1486
28.00	340	1499
28.50	343	1513
29.00	346	1527
29.50	350	1541
30.00	.0353	1555

Table 11. Determining Electrical Conductivity of Sea Water Continued

ELECTRICAL CONDUCTIVITY (L)

Salinity 30‰ to 39.99‰

T. °C.	L	f
-2.00	.0236	.000708
-1.50	240	719
-1.00	244	730
-0.50	248	741
0.00	.0252	752
0.50	256	763
1.00	260	774
1.50	264	785
2.00	268	796
2.50	272	807
3.00	276	817
3.50	280	828
4.00	283	839
4.50	287	850
5.00	.0291	861
5.50	295	872
6.00	299	883
6.50	303	895
7.00	307	906
7.50	311	917
8.00	315	928
8.50	319	939
9.00	323	951
9.50	327	962
10.00	.0332	973
10.50	336	984
11.00	340	996
11.50	344	.001007
12.00	348	1018
12.50	353	1030
13.00	357	1041
13.50	361	1052
14.00	.0365	.001063
14.50	369	1075
15.00	374	1086
15.50	378	1099
16.00	382	1112
16.50	387	1125
17.00	391	1138
17.50	395	1151
18.00	400	1164
18.50	404	1177
19.00	408	1190
19.50	413	1203
20.00	.0417	1216
20.50	422	1229
21.00	426	1242
21.50	431	1255
22.00	435	1268
22.50	440	1281
23.00	444	1294
23.50	449	1307
24.00	453	1320
24.50	458	1333
25.00	.0462	1346
25.50	467	1359
26.00	471	1373
26.50	476	1386
27.00	481	1400
27.50	485	1413
28.00	490	1426
28.50	494	1440
29.00	499	1453
29.50	504	1467
30.00	.0508	1480

TABLE 12.—SOUND SPEEDS

SOUND SPEED TABLES

Table 12A. Sound speed, V_o (1449.1 m/sec), corrected for changes in Pressure (kg/cm^2), V_p.

Table 12B. Sound speed, V_o (1449.1 m/sec), corrected for changes in Depth (meters), (pressures derived assuming 35‰, 0°C), V_p.

Table 12C. Correction to sound speed, V_o (1449.1 m/sec), for changes in Latitude-Depth, V_ϕ.

Table 12D. Correction to sound speed, V_o (1449.1 m/sec), for changes in Salinity (‰), V_s.

Table 12E. Correction to sound speed, V_o (1449.1 m/sec), for changes in Temperature (°C), V_t.

Table 12F. Correction to sound speed, V_o (1449.1 m/sec), for simultaneous changes in Salinity, Temperature, and Pressure, V_{stp}.

Table 12G. Sound speed conversion - Meters/second to feet/second.

Example A: Determine sound speed (in situ pressure known).

Given: Pressure = 83.5 kg/cm^2, Latitude = 60°, Salinity = 32.71‰, Temperature = 4.52°C.

From Table 12A	under 83.5 kg/cm^2 -------------- 1449.1 +	V_p =	1462.6 m/sec
From Table 12C	under 60° Lat. ----------------------	V_ϕ =	0.0 m/sec
From Table 12D	under 32.71‰ ----------------------	V_s =	-3.2 m/sec
From Table 12E	under 4.52°C ----------------------	V_t =	19.7 m/sec
From Table 12F	under 83.5 kg/cm^2, 32.71‰, 4.52°C-----	V_{stp} =	0.0 m/sec

Sound Speed, $V = 1449.1 + V_p + V_\phi + V_s + V_t + V_{stp}$ ------ 1479.1 m/sec

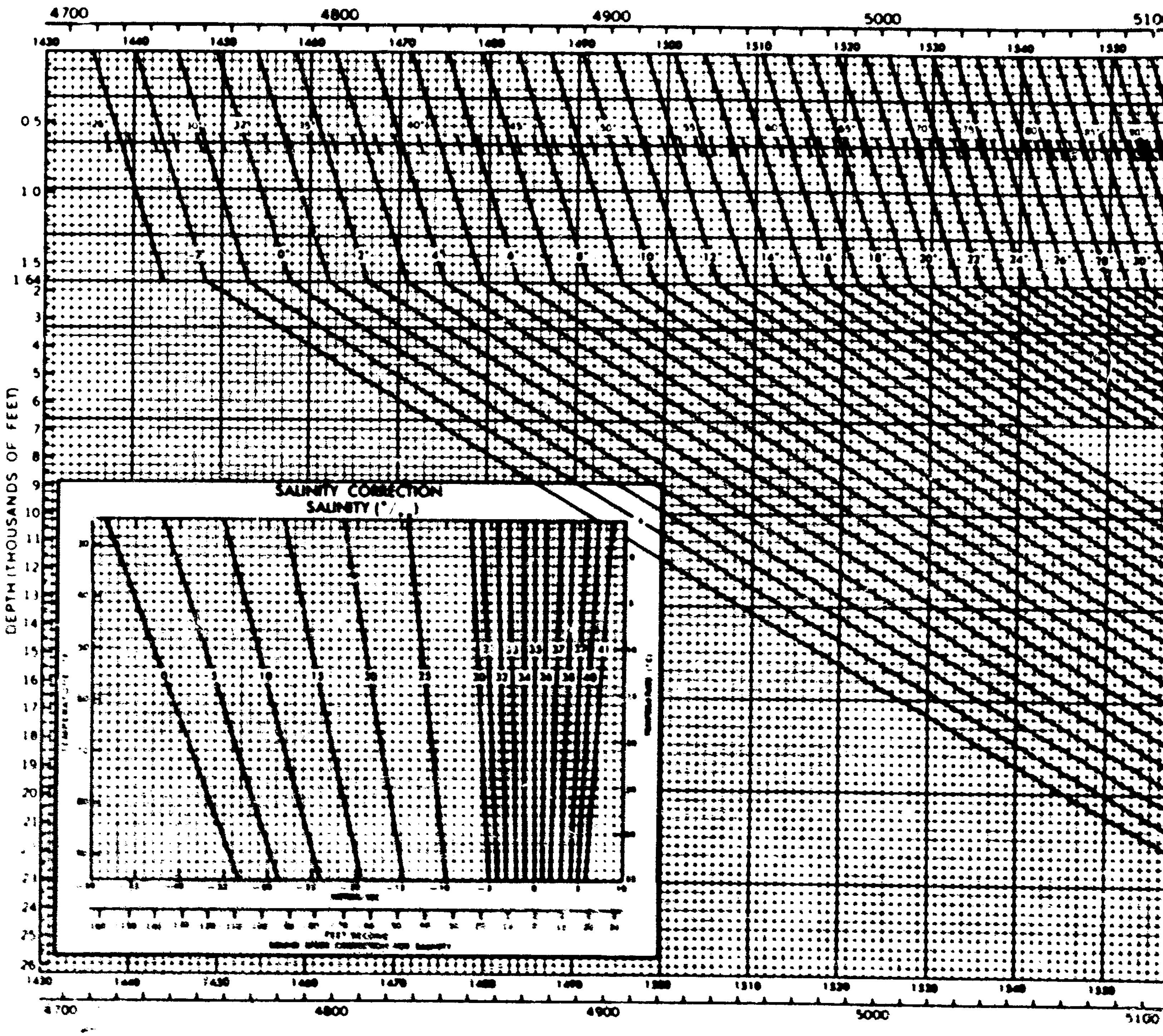
(Based on Wilson's equation, Journ. Acous. Soc. Am. Vol., 32, No. 10, pp 1357, Oct. 60)

MATSDEN SQUARE NO ________

SOUND SPEED NOMOGRAM AND STRUCTURE FORM

(BASED ON WILSON'S EQUATION, JOUR. ACOUS. SOC. AM. VOL. 32, NO. 10, PP 1357, OCT. 60)

SHIP ____________ STATION ________ DATE ____________ WATER DEPTH ________ METERS / FATHOMS



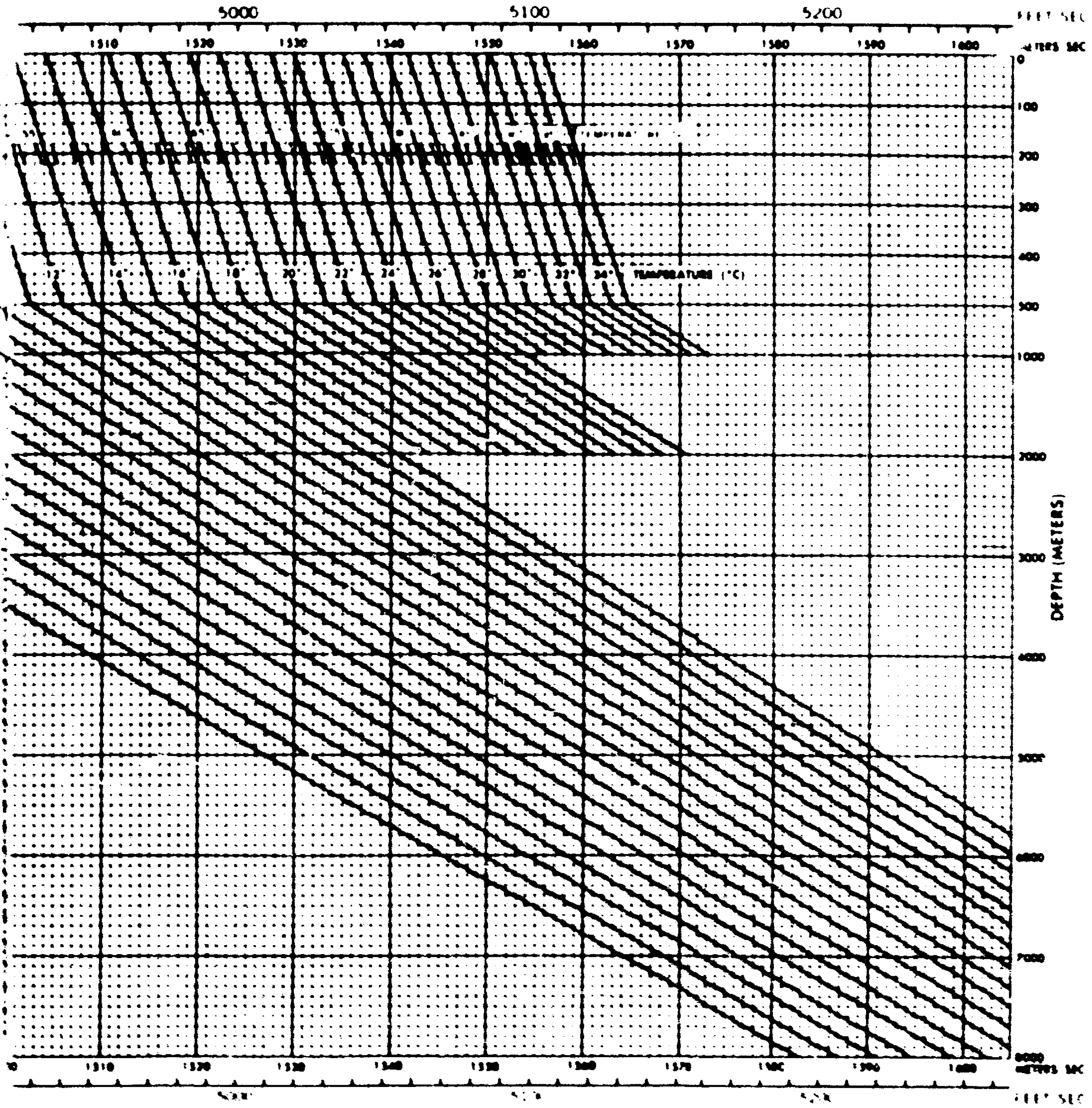
MARSDEN SQUARE NO ________ 1° SQUARE NO ________ MONTH ________

SEASON ________

.PEED NOMOGRAM AND STRUCTURE FORM

:UATION, JOUR ACOUS SOC AM VOL 32, NO 10, PP 1357, OCT 60)

________ WATER DEPTH ________ METERS / FATHOMS LATITUDE ________ LONGITUDE ________



Example B: Determine Sound Speed (assume a water column of 35‰, 0°C. for depth-pressure correction).

Given: Depth-pressure = 2,000 m., Latitude = 50°, Salinity 35.20‰, Temperature 5.66°C.

From Table 12B, under 2,000 m. -----------------	$1449.1 + V_p =$	1482.8 m/sec
From Table 12C, under 50° Lat. ------------------	$V_\phi =$	0.1 m/sec
From Table 12D, under 35.20‰ ------------------	$V_s =$	0.3 m/sec
From Table 12E, under 5.66°C ------------------	$V_t =$	24.4 m/sec
From Table 12F, under 2,000 m, 35.20‰, 5.66°C. --------	$V_{stp} =$	-0.2 m/sec

Sound Speed, $V = 1449.1 + V_p + V_\phi + V_s + V_{stp}$ ------------ 1507.4 m/sec

TABLE 12A SOUND SPEED, V_o (1449.1 m/sec) CORRECTED FOR CHANGES IN PRESSURE (kg/cm^2), V_p

p kg/cm^2	1449.1 + V_p	p kg/cm^2	1449.1 + V_p	p kg/cm^2	1449.1 + V_p	p kg/cm^2	1449.1 + V_p	p kg/cm^2	1449.1 + V_p	p kg/cm^2	1449.1 + V_p	p kg/cm^2	1449.1 + V_p	p kg/cm^2	1449.1 + V_p	p kg/cm^2	1449.1 + V_p
1.00	1449.3	70	1460.4	220	1484.9	370	1510.0	520	1535.5	670	1561.5	820	1587.9	970	1614.5	1120	1641.2
2.00	1449.5	80	1462.0	230	1486.6	380	1511.6	530	1537.2	680	1563.3	830	1589.7	980	1616.3	1130	1643.0
3.00	1449.6	90	1463.6	240	1488.2	390	1513.3	540	1538.9	690	1565.0	840	1591.4	990	1618.1	1140	1644.7
4.00	1449.8	100	1465.3	250	1489.9	400	1515.0	550	1540.7	700	1566.8	850	1593.2	1000	1619.8	1150	1646.5
5.00	1449.9	110	1466.9	260	1491.6	410	1516.7	560	1542.4	710	1568.5	860	1595.0	1010	1621.6	1160	1648.3
6.00	1450.1	120	1468.5	270	1493.2	420	1518.4	570	1544.1	720	1570.3	870	1596.7	1020	1623.4	1170	1650.1
7.00	1450.3	130	1470.2	280	1494.9	430	1520.1	580	1545.9	730	1572.0	880	1598.5	1030	1625.2	1180	1651.8
8.00	1450.4	140	1471.8	290	1496.5	440	1521.8	590	1547.6	740	1573.8	890	1600.3	1040	1627.0	1190	1653.6
9.00	1450.6	150	1473.4	300	1498.2	450	1523.5	600	1549.3	750	1575.5	900	1602.1	1050	1628.7	1200	1655.4
10.00	1450.7	160	1475.1	310	1499.9	460	1525.2	610	1551.1	760	1577.3	910	1603.8	1060	1630.5	1210	1657.1
20.00	1452.3	170	1476.7	320	1501.6	470	1526.9	620	1552.8	770	1579.1	920	1605.6	1070	1632.3	1220	1658.9
30.00	1454.0	180	1478.3	330	1503.2	480	1526.6	630	1554.5	780	1580.8	930	1607.4	1060	1634.1	1230	1660.7
40.00	1455.6	190	1480.0	340	1504.9	490	1530.4	640	1556.3	790	1582.6	940	1609.2	1090	1635.9	1240	1662.4
50.00	1457.2	200	1481.6	350	1506.6	500	1532.1	650	1558.0	800	1584.4	950	1610.9	1100	1637.6	1250	1664.2
60.00	1458.8	210	1483.3	360	1508.3	510	1533.8	660	1559.8	810	1586.1	960	1612.7	1110	1639.4	1260	1666.0

TABLE 12B SOUND SPEED, V_o (1449.1 m/sec), CORRECTED FOR CHANGES IN DEPTH (METERS) (PRESSURES DERIVED ASSUMING 35‰, 0°C), V_p

Depth m	1449.1 + V_p	Depth m	1449.1 + V_p	Depth m	1449.1 + V_p	Depth m	1449.1 + V_p	Depth m	1449.1 + V_p	Depth m	1449.1 + V_p	Depth m	1449.1 + V_p	Depth m	1449.1 + V_p
0	1449.3	80	1450.6	900	1464.3	2500	1491.5	4300	1523.1	6000	1553.8	7700	1585.4	9400	1617.5
1	1449.3	90	1450.8	950	1465.1	2600	1493.2	4400	1524.8	6100	1555.6	7800	1587.2	9500	1619.3
2	1449.3	100	1451.0	1000	1465.9	2700	1494.9	4500	1526.6	6200	1557.5	7900	1589.1	9600	1621.3
3	1449.4	150	1451.8	1050	1466.8	2800	1496.7	4600	1528.4	6300	1559.3	8000	1591.0	9700	1623.2
4	1449.4	200	1452.6	1100	1467.6	2900	1498.4	4700	1530.2	6400	1561.2	8100	1592.9	9800	1625.1
5	1449.4	250	1453.4	1200	1469.3	3000	1500.1	4800	1532.0	6500	1563.0	8200	1594.8	9900	1627.0
6	1449.4	300	1454.3	1300	1471.0	3100	1501.9	4900	1533.8	6600	1564.9	8300	1596.6	10000	1628.9
7	1449.4	350	1455.1	1400	1472.7	3200	1503.6	5000	1535.6	6700	1566.7	8400	1598.5	10100	1630.8
8	1449.4	400	1455.9	1500	1474.4	3300	1505.4	5100	1537.4	6800	1568.6	8500	1600.4	10200	1632.7
9	1449.5	450	1456.7	1600	1476.1	3400	1507.1	5200	1539.2	6900	1570.4	8600	1602.3	10300	1634.6
10	1449.5	500	1457.6	1700	1477.8	3500	1508.9	5300	1541.0	7000	1572.3	8700	1604.2	10400	1636.5
20	1449.6	550	1458.4	1800	1479.5	3600	1510.6	5400	1542.9	7100	1574.1	8800	1606.1	10500	1638.3
30	1449.8	600	1459.2	1900	1481.1	3700	1512.4	5500	1544.7	7200	1576.0	8900	1608.0	10600	1640.2
40	1450.0	650	1460.1	2000	1482.8	3800	1514.2	5600	1546.5	7300	1577.9	9000	1609.9	10700	1642.1
50	1450.1	700	1460.9	2100	1484.6	3900	1515.9	5700	1548.3	7400	1579.7	9100	1611.8	10800	1644.0
60	1450.3	750	1461.8	2200	1486.3	4000	1517.7	5800	1550.1	7500	1581.6	9200	1613.7	10900	1645.9
70	1450.5	800	1462.6	2300	1488.0	4100	1519.5	5900	1552.0	7600	1583.5	9300	1615.6	11000	1647.8
75	1450.5	850	1463.4	2400	1489.7	4200	1521.3								

TABLE 12C CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR CHANGES IN LATITUDE-DEPTH, V_ϕ

Depth m	Latitude									
	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°
0	0	0	0	0	0	0	0	0	0	0
1000	-.1	0	0	0	0	0	0	.1	.1	.1
2000	-.1	-.1	-.1	0	0	.1	.1	.1	.1	.1
3000	-.1	-.1	-.1	0	0	.1	.1	.1	.2	.2
4000	-.1	-.1	-.1	0	0	.1	.2	.2	.3	.3
5000	-.2	-.1	-.1	0	-.1	.1	.2	.3	.3	.3
6000	-.2	-.2	-.1	0	-.1	.2	.2	.3	.4	.4
7000	-.2	-.2	-.1	-.1	-.1	.2	.3	.3	.4	.4
8000	-.2	-.2	-.2	-.1	-.1	.2				
9000	-.3	-.2	-.2	-.1						
10,000	-.3	-.3	-.2	-.1						
11,000		-.3	-.2	-.1						

TABLE 120 CORRECTION TO SOUND SPEED, V_0 (1449.1 m/sec), FOR CHANGES IN SALINITY (‰), V_s

S	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	-46.9	-46.8	-46.8	-46.8	-46.8	-46.8	-46.8	-46.8	-46.8	-46.7
0.1	-46.7	-46.7	-46.7	-46.7	-46.7	-46.7	-46.7	-46.6	-46.6	-46.6
0.2	-46.6	-46.6	-46.6	-46.6	-46.5	-46.5	-46.5	-46.5	-46.5	-46.5
0.3	-46.5	-46.5	-46.4	-46.4	-46.4	-46.4	-46.4	-46.4	-46.4	-46.4
0.4	-46.3	-46.3	-46.3	-46.3	-46.3	-46.3	-46.3	-46.3	-46.2	-46.2
0.5	-46.2	-46.2	-46.2	-46.2	-46.2	-46.2	-46.1	-46.1	-46.1	-46.1
0.6	-46.1	-46.1	-46.1	-46.1	-46.0	-46.0	-46.0	-46.0	-46.0	-46.0
0.7	-46.0	-45.9	-45.9	-45.9	-45.9	-45.9	-45.9	-45.9	-45.9	-45.8
0.8	-45.8	-45.8	-45.8	-45.8	-45.8	-45.8	-45.8	-45.7	-45.7	-45.7
0.9	-45.7	-45.7	-45.7	-45.7	-45.7	-45.6	-45.6	-45.6	-45.6	-45.6
1.0	-45.6	-45.6	-45.6	-45.5	-45.5	-45.5	-45.5	-45.5	-45.5	-45.5
1.1	-45.4	-45.4	-45.4	-45.4	-45.4	-45.4	-45.4	-45.4	-45.3	-45.3
1.2	-45.3	-45.3	-45.3	-45.3	-45.3	-45.3	-45.2	-45.2	-45.2	-45.2
1.3	-45.2	-45.2	-45.2	-45.2	-45.1	-45.1	-45.1	-45.1	-45.1	-45.1
1.4	-45.1	-45.0	-45.0	-45.0	-45.0	-45.0	-45.0	-45.0	-45.0	-44.9
1.5	-44.9	-44.9	-44.9	-44.9	-44.9	-44.9	-44.9	-44.8	-44.8	-44.8
1.6	-44.8	-44.8	-44.8	-44.8	-44.8	-44.7	-44.7	-44.7	-44.7	-44.7
1.7	-44.7	-44.7	-44.7	-44.6	-44.6	-44.6	-44.6	-44.6	-44.6	-44.6
1.8	-44.5	-44.5	-44.5	-44.5	-44.5	-44.5	-44.5	-44.5	-44.4	-44.4
1.9	-44.4	-44.4	-44.4	-44.4	-44.4	-44.4	-44.3	-44.3	-44.3	-44.3
2.0	-44.3	-44.3	-44.3	-44.3	-44.2	-44.2	-44.2	-44.2	-44.2	-44.2
2.1	-44.2	-44.1	-44.1	-44.1	-44.1	-44.1	-44.1	-44.1	-44.1	-44.0
2.2	-44.0	-44.0	-44.0	-44.0	-44.0	-44.0	-44.0	-43.9	-43.9	-43.9
2.3	-43.9	-43.9	-43.9	-43.9	-43.9	-43.8	-43.8	-43.8	-43.8	-43.8
2.4	43.8	-43.8	-43.8	-43.7	-43.7	-43.7	-43.7	-43.7	-43.7	-43.7
2.5	43.6	-43.6	-43.6	-43.6	-43.6	-43.6	-43.6	-43.6	-43.5	-43.5
2.6	-43.5	-43.5	-43.5	-43.5	-43.5	-43.5	-43.4	-43.4	-43.4	-43.4
2.7	-43.4	-43.4	-43.4	-43.4	-43.3	-43.3	-43.3	-43.3	-43.3	-43.3
2.8	-43.3	-43.2	-43.2	-43.2	-43.2	-43.2	-43.2	-43.2	-43.2	-43.1
2.9	-43.1	-43.1	-43.1	-43.1	-43.1	-43.1	-43.1	-43.0	-43.0	-43.0
3.0	-43.0	-43.0	-43.0	-43.0	-43.0	-42.9	-42.9	-42.9	-42.9	-42.9
3.1	-42.9	-42.9	-42.8	-42.8	-42.8	-42.8	-42.8	-42.8	-42.8	-42.8
3.2	-42.7	-42.7	-42.7	-42.7	-42.7	-42.7	-42.7	-42.7	-42.6	-42.6
3.3	-42.6	-42.6	-42.6	-42.6	-42.6	-42.6	-42.5	-42.5	-42.5	-42.5
3.4	-42.5	-42.5	-42.5	-42.4	-42.4	-42.4	-42.4	-42.4	-42.4	-42.4
3.5	-42.4	-42.3	-42.3	-42.3	-42.3	-42.3	-42.3	-42.3	-42.3	-42.2
3.6	-42.2	-42.2	-42.2	-42.2	-42.2	-42.2	-42.2	-42.1	-42.1	-42.1
3.7	-42.1	-42.1	-42.1	-42.1	-42.0	-42.0	-42.0	-42.0	-42.0	-42.0
3.8	-42.0	-42.0	-41.9	-41.9	-41.9	-41.9	-41.9	-41.9	-41.9	-41.9
3.9	-41.8	-41.8	-41.8	-41.8	-41.8	-41.8	-41.8	-41.8	-41.7	-41.7
4.0	-41.7	-41.7	-41.7	-41.7	-41.7	-41.6	-41.6	-41.6	-41.6	-41.6
4.1	-41.6	-41.6	-41.6	-41.5	-41.5	-41.5	-41.5	-41.5	-41.5	-41.5
4.2	-41.5	-41.4	-41.4	-41.4	-41.4	-41.4	-41.4	-41.4	-41.3	-41.3
4.3	-41.3	-41.3	-41.3	-41.3	-41.3	-41.3	-41.2	-41.2	-41.2	-41.2
4.4	-41.2	-41.2	-41.2	-41.2	-41.1	-41.1	-41.1	-41.1	-41.1	-41.1

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TABLE 12D CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR CHANGES IN SALINITY (‰), V_s - Continued

S	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
4.5	-41.1	-41.1	-41.0	-41.0	-41.0	-41.0	-41.0	-41.0	-41.0	-40.9
4.6	-40.9	-40.9	-40.9	-40.9	-40.9	-40.9	-40.9	-40.8	-40.8	-40.8
4.7	-40.8	-40.8	-40.8	-40.8	-40.8	-40.7	-40.7	-40.7	-40.7	-40.7
4.8	-40.7	-40.7	-40.7	-40.6	-40.6	-40.6	-40.6	-40.6	-40.6	-40.6
4.9	-40.5	-40.5	-40.5	-40.5	-40.5	-40.5	-40.5	-40.5	-40.4	-40.4
5.0	-40.4	-40.4	-40.4	-40.4	-40.4	-40.4	-40.3	-40.3	-40.3	-40.3
5.1	-40.3	-40.3	-40.3	-40.2	-40.2	-40.2	-40.2	-40.2	-40.2	-40.2
5.2	-40.2	-40.1	-40.1	-40.1	-40.1	-40.1	-40.1	-40.1	-40.1	-40.0
5.3	-40.0	-40.0	-40.0	-40.0	-40.0	-40.0	-39.9	-39.9	-39.9	-39.9
5.4	-39.9	-39.9	-39.9	-39.9	-39.8	-39.8	-39.8	-39.8	-39.8	-39.8
5.5	-39.8	-39.8	-39.7	-39.7	-39.7	-39.7	-39.7	-39.7	-39.7	-39.7
5.6	-39.6	-39.6	-39.6	-39.6	-39.6	-39.6	-39.6	-39.5	-39.5	-39.5
5.7	-39.5	-39.5	-39.5	-39.5	-39.5	-39.4	-39.4	-39.4	-39.4	-39.4
5.8	-39.4	-39.4	-39.4	-39.3	-39.3	-39.3	-39.3	-39.3	-39.3	-39.3
5.9	-39.2	-39.2	-39.2	-39.2	-39.2	-39.2	-39.2	-39.2	-39.1	-39.1
6.0	-39.1	-39.1	-39.1	-39.1	-39.1	-39.1	-39.0	-39.0	-39.0	-39.0
6.1	-39.0	-39.0	-39.0	-38.9	-38.9	-38.9	-38.9	-38.9	-38.9	-38.9
6.2	-38.9	-38.8	-38.8	-38.8	-38.8	-38.8	-38.8	-38.8	-38.8	-38.7
6.3	-38.7	-38.7	-38.7	-38.7	-38.7	-38.7	-38.7	-38.6	-38.6	-38.6
6.4	-38.6	-38.6	-38.6	-38.6	-38.5	-38.5	-38.5	-38.5	-38.5	-38.5
6.5	-38.5	-38.5	-38.4	-38.4	-38.4	-38.4	-38.4	-38.4	-38.4	-38.4
6.6	-38.3	-38.3	-38.3	-38.3	-38.3	-38.3	-38.3	-38.2	-39.2	-38.2
6.7	-38.2	-38.2	-38.2	-38.2	-38.2	-38.1	-38.1	-38.1	-33.1	-38.1
6.8	-38.1	-38.1	-38.1	-38.0	-38.0	-38.0	-38.0	-38.0	-38.0	-38.0
6.9	-37.9	-37.9	-37.9	-37.9	-37.9	-37.9	-37.9	-37.9	-37.8	-37.8
7.0	-37.8	-37.8	-37.8	-37.8	-37.8	-37.8	-37.7	-37.7	-37.7	-37.7
7.1	-37.7	-37.7	-37.7	-37.6	-37.6	-37.6	-37.6	-37.6	-37.6	-37.6
7.2	-37.6	-37.5	-37.5	-37.5	-37.5	-37.5	-37.5	-37.5	-37.5	-37.4
7.3	-37.4	-37.4	-37.4	-37.4	-37.4	-37.4	-37.3	-37.3	-37.3	-37.3
7.4	-37.3	-37.3	-37.3	-37.3	-37.2	-37.2	-37.2	-37.2	-37.2	-37.2
7.5	-37.2	-37.2	-37.1	-37.1	-37.1	-37.1	-37.1	-37.1	-37.1	-37.0
7.6	-37.0	-37.0	-37.0	-37.0	-37.0	-37.0	-37.0	-36.9	-36.9	-36.9
7.7	-36.9	-36.9	-36.9	-36.9	-36.9	-36.8	-36.8	-36.8	-36.8	-36.8
7.8	-36.8	-36.8	-36.7	-36.7	-36.7	-36.7	-36.7	-36.7	-36.7	-36.7
7.9	-36.6	-36.6	-36.6	-36.6	-36.6	-36.6	-36.6	-36.6	-36.5	-36.5
8.0	-36.5	-36.5	-36.5	-36.5	-36.5	-36.4	-36.4	-36.4	-36.4	-36.4
8.1	-36.4	-36.4	-36.4	-36.3	-36.3	-36.3	-36.3	-36.3	-36.3	-36.3
8.2	-36.3	-36.2	-36.2	-36.2	-36.2	-36.2	-36.2	-36.2	-36.1	-36.1
8.3	-36.1	-36.1	-36.1	-36.1	-36.1	-36.1	-36.0	-36.0	-36.0	-36.0
8.4	-36.0	-36.0	-36.0	-36.0	-35.9	-35.9	-35.9	-35.9	-35.9	-35.9
8.5	-35.9	-35.8	-35.8	-35.8	-35.8	-35.8	-35.8	-35.8	-35.8	-35.7
8.6	-35.7	-35.7	-35.7	-35.7	-35.7	-35.7	-35.6	-35.6	-35.6	-35.6
8.7	-35.6	-35.6	-35.6	-35.6	-35.5	-35.5	-35.5	-35.5	-35.5	-35.5
8.8	-35.5	-35.5	-35.4	-35.4	-35.4	-35.4	-35.4	-35.4	-35.4	-35.3
8.9	-35.3	-35.3	-35.3	-35.3	-35.3	-35.3	-35.3	-35.2	-35.2	-35.2
9.0	-35.2	-35.2	-35.2	-35.2	-35.2	-35.1	-35.1	-35.1	-35.1	-35.1
9.1	-35.1	-35.1	-35.0	-35.0	-35.0	-35.0	-35.0	-35.0	-35.0	-35.0
9.2	-34.9	-34.9	-34.9	-34.9	-34.9	-34.9	-34.9	-34.9	-34.8	-34.8
9.3	-34.8	-34.8	-34.8	-34.8	-34.8	-34.7	-34.7	-34.7	-34.7	-34.7
9.4	-34.7	-34.7	-34.7	-34.6	-34.6	-34.6	-34.6	-34.6	-34.6	-34.6

TABLE [illegible] CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR CHANGES IN SALINITY (‰), V_s - Continued

S	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
9.5	-34.5	-34.5	-34.5	-34.5	-34.5	-34.5	-34.5	-34.5	-34.4	-34.4
9.6	-34.4	-34.4	-34.4	-34.4	-34.4	-34.4	-34.3	-34.3	-34.3	-34.3
9.7	-34.3	-34.3	-34.3	-34.2	-34.2	-34.2	-34.2	-34.2	-34.2	-34.2
9.8	-34.2	-34.1	-34.1	-34.1	-34.1	-34.1	-34.1	-34.1	-34.0	-34.0
9.9	-34.0	-34.0	-34.0	-34.0	-34.0	-34.0	-33.9	-33.9	-33.9	-33.9
10.0	-33.9	-33.9	-33.9	-33.9	-33.8	-33.8	-33.8	-33.8	-33.8	-33.8
10.1	-33.8	-33.7	-33.7	-33.7	-33.7	-33.7	-33.7	-33.7	-33.7	-33.6
10.2	-33.6	-33.6	-33.6	-33.6	-33.6	-33.6	-33.6	-33.5	-33.5	-33.5
10.3	-33.5	-33.5	-33.5	-33.5	-33.4	-33.4	-33.4	-33.4	-33.4	-33.4
10.4	-33.4	-33.4	-33.3	-33.3	-33.3	-33.3	-33.3	-33.3	-33.3	-33.2
10.5	-33.2	-33.2	-33.2	-33.2	-33.2	-33.2	-33.2	-33.1	-33.1	-33.1
10.6	-33.1	-33.1	-33.1	-33.1	-33.1	-33.0	-33.0	-33.0	-33.0	-33.0
10.7	-33.0	-33.0	-32.9	-32.9	-32.9	-32.9	-32.9	-32.9	-32.9	-32.9
10.8	-32.8	-32.8	-32.8	-32.8	-32.8	-32.8	-32.8	-32.7	-32.7	-32.7
10.9	-32.7	-32.7	-32.7	-32.7	-32.7	-32.6	-32.6	-32.6	-32.6	-32.6
11.0	-32.6	-32.6	-32.6	-32.5	-32.5	-32.5	-32.5	-32.5	-32.5	-32.5
11.1	-32.4	-32.4	-32.4	-32.4	-32.4	-32.4	-32.4	-32.4	-32.3	-32.3
11.2	-32.3	-32.3	-32.3	-32.3	-32.3	-32.2	-32.2	-32.2	-32.2	-32.2
11.3	-32.2	-32.2	-32.2	-32.1	-32.1	-32.1	-32.1	-32.1	-32.1	-32.1
11.4	-32.1	-32.0	-32.0	-32.0	-32.0	-32.0	-32.0	-32.0	-31.9	-31.9
11.5	-31.9	-31.9	-31.9	-31.9	-31.9	-31.9	-31.8	-31.8	-31.8	-31.8
11.6	-31.8	-31.8	-31.8	-31.7	-31.7	-31.7	-31.7	-31.7	-31.7	-31.7
11.7	-31.7	-31.6	-31.6	-31.6	-31.6	-31.6	-31.6	-31.6	-31.5	-31.5
11.8	-31.5	-31.5	-31.5	-31.5	-31.5	-31.5	-31.4	-31.4	-31.4	-31.4
11.9	-31.4	-31.4	-31.4	-31.4	-31.3	-31.3	-31.3	-31.3	-31.3	-31.3
12.0	-31.3	-31.2	-31.2	-31.2	-31.2	-31.2	-31.2	-31.2	-31.2	-31.1
12.1	-31.1	-31.1	-31.1	-31.1	-31.1	-31.1	-31.0	-31.0	-31.0	-31.0
12.2	-31.0	-31.0	-31.0	-31.0	-30.9	-30.9	-30.9	-30.9	-30.9	-30.9
12.3	-30.9	-30.8	-30.8	-30.8	-30.8	-30.8	-30.8	-30.8	-30.8	-30.7
12.4	-30.7	-30.7	-30.7	-30.7	-30.7	-30.7	-30.7	-30.6	-30.6	-30.6
12.5	-30.6	-30.6	-30.6	-30.6	-30.5	-30.5	-30.5	-30.5	-30.5	-30.5
12.6	-30.5	-30.5	-30.4	-30.4	-30.4	-30.4	-30.4	-30.4	-30.4	-30.3
12.7	-30.3	-30.3	-30.3	-30.3	-30.3	-30.3	-30.3	-30.2	-30.2	-30.2
12.8	-30.2	-30.2	-30.2	-30.2	-30.1	-30.1	-30.1	-30.1	-30.1	-30.1
12.9	-30.1	-30.1	-30.0	-30.0	-30.0	-30.0	-30.0	-30.0	-30.0	-30.0
13.0	-29.9	-29.9	-29.9	-29.9	-29.9	-29.9	-29.9	-29.8	-29.8	-29.8
13.1	-29.8	-29.8	-29.8	-29.8	-29.8	-29.7	-29.7	-29.7	-29.7	-29.7
13.2	-29.7	-29.7	-29.6	-29.6	-29.6	-29.6	-29.6	-29.6	-29.6	-29.6
13.3	-29.5	-29.5	-29.5	-29.5	-29.5	-29.5	-29.5	-29.4	-29.4	-29.4
13.4	-29.4	-29.4	-29.4	-29.4	-29.4	-29.3	-29.3	-29.3	-29.3	-29.3
13.5	-29.3	-29.3	-29.2	-29.2	-29.2	-29.2	-29.2	-29.2	-29.2	-29.2
13.6	-29.1	-29.1	-29.1	-29.1	-29.1	-29.1	-29.1	-29.0	-29.0	-29.0
13.7	-29.0	-29.0	-29.0	-29.0	-29.0	-28.9	-28.9	-28.9	-28.9	-28.9
13.8	-28.9	-28.9	-28.9	-28.8	-28.8	-28.8	-28.8	-28.8	-28.8	-28.8
13.9	-28.7	-28.7	-28.7	-28.7	-28.7	-28.7	-28.7	-28.7	-28.6	-28.6

TABLE 12D CORRECTION TO SOUND SPEED, V_0 (1449.1 m/sec), FOR CHANGES IN SALINITY (‰), V_s - Continued

S	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
14.0	-28.6	-28.6	-28.6	-28.6	-28.6	-28.5	-28.5	-28.5	-28.5	-28.5
14.1	-28.5	-28.5	-28.5	-28.4	-28.4	-28.4	-28.4	-28.4	-28.4	-28.4
14.2	-28.3	-28.3	-28.3	-28.3	-28.3	-28.3	-28.3	-28.3	-28.2	-28.2
14.3	-28.2	-28.2	-28.2	-28.2	-28.2	-28.1	-28.1	-28.1	-28.1	-28.1
14.4	-28.1	-28.1	-28.1	-28.0	-28.0	-28.0	-28.0	-28.0	-28.0	-28.0
14.5	-27.9	-27.9	-27.9	-27.9	-27.9	-27.9	-27.9	-27.9	-27.8	-27.8
14.6	-27.8	-27.8	-27.8	-27.8	-27.8	-27.7	-27.7	-27.7	-27.7	-27.7
14.7	-27.7	-27.7	-27.7	-27.6	-27.6	-27.6	-27.6	-27.6	-27.6	-27.6
14.8	-27.5	-27.5	-27.5	-27.5	-27.5	-27.5	-27.5	-27.5	-27.4	-27.4
14.9	-27.4	-27.4	-27.4	-27.4	-27.4	-27.3	-27.3	-27.3	-27.3	-27.3
15.0	-27.3	-27.3	-27.3	-27.2	-27.2	-27.2	-27.2	-27.2	-27.2	-27.2
15.1	-27.1	-27.1	-27.1	-27.1	-27.1	-27.1	-27.1	-27.1	-27.0	-27.0
15.2	-27.0	-27.0	-27.0	-27.0	-27.0	-27.0	-26.9	-26.9	-26.9	-26.9
15.3	-26.9	-26.9	-26.9	-26.8	-26.8	-26.8	-26.8	-26.8	-26.8	-26.8
15.4	-26.8	-26.7	-26.7	-26.7	-26.7	-26.7	-26.7	-26.7	-26.6	-26.6
15.5	-26.6	-26.6	-26.6	-26.6	-26.6	-26.6	-26.5	-26.5	-26.5	-26.5
15.6	-26.5	-26.5	-26.5	-26.4	-26.4	-26.4	-26.4	-26.4	-26.4	-26.4
15.7	-26.4	-26.3	-26.3	-26.3	-26.3	-26.3	-26.3	-26.3	-26.2	-26.2
15.8	-26.2	-26.2	-26.2	-26.2	-26.2	-26.2	-26.1	-26.1	-26.1	-26.1
15.9	-26.1	-26.1	-26.1	-26.0	-26.0	-26.0	-26.0	-26.0	-26.0	-26.0
16.0	-26.0	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.9	-25.8	-25.8
16.1	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.7	-25.7	-25.7	-25.7
16.2	-25.7	-25.7	-25.7	-25.6	-25.6	-25.6	-25.6	-25.6	-25.6	-25.6
16.3	-25.6	-25.5	-25.5	-25.5	-25.5	-25.5	-25.5	-25.5	-25.4	-25.4
16.4	-25.4	-25.4	-25.4	-25.4	-25.4	-25.4	-25.3	-25.3	-25.3	-25.3
16.5	-25.3	-25.3	-25.3	-25.2	-25.2	-25.2	-25.2	-25.2	-25.2	-25.2
16.6	-25.2	-25.1	-25.1	-25.1	-25.1	-25.1	-25.1	-25.1	-25.0	-25.0
16.7	-25.0	-25.0	-25.0	-25.0	-25.0	-24.9	-24.9	-24.9	-24.9	-24.9
16.8	-24.9	-24.9	-24.9	-24.8	-24.8	-24.8	-24.8	-24.8	-24.8	-24.8
16.9	-24.7	-24.7	-24.7	-24.7	-24.7	-24.7	-24.7	-24.7	-24.6	-24.6
17.0	-24.6	-24.6	-24.6	-24.6	-24.6	-24.5	-24.5	-24.5	-24.5	-24.5
17.1	-24.5	-24.5	-24.5	-24.4	-24.4	-24.4	-24.4	-24.4	-24.4	-24.4
17.2	-24.3	-24.3	-24.3	-24.3	-24.3	-24.3	-24.3	-24.3	-24.2	-24.2
17.3	-24.2	-24.2	-24.2	-24.2	-24.2	-24.1	-24.1	-24.1	-24.1	-24.1
17.4	-24.1	-24.1	-24.1	-24.0	-24.0	-24.0	-24.0	-24.0	-24.0	-24.0
17.5	-23.9	-23.9	-23.9	-23.9	-23.9	-23.9	-23.9	-23.9	-23.8	-23.8
17.6	-23.8	-23.8	-23.8	-23.8	-23.8	-23.7	-23.7	-23.7	-23.7	-23.7
17.7	-23.7	-23.7	-23.7	-23.6	-23.6	-23.6	-23.6	-23.6	-23.6	-23.6
17.8	-23.5	-23.5	-23.5	-23.5	-23.5	-23.5	-23.5	-23.5	-23.4	-23.4
17.9	-23.4	-23.4	-23.4	-23.4	-23.4	-23.3	-23.3	-23.3	-23.3	-23.3
18.0	-23.3	-23.3	-23.3	-23.2	-23.2	-23.2	-23.2	-23.2	-23.2	-23.2
18.1	-23.1	-23.1	-23.1	-23.1	-23.1	-23.1	-23.1	-23.0	-23.0	-23.0
18.2	-23.0	-23.0	-23.0	-23.0	-23.0	-22.9	-22.9	-22.9	-22.9	-22.9
18.3	-22.9	-22.9	-22.8	-22.8	-22.8	-22.8	-22.8	-22.8	-22.8	-22.8
18.4	-22.7	-22.7	-22.7	-22.7	-22.7	-22.7	-22.7	-22.6	-22.6	-22.6
18.5	-22.6	-22.6	-22.6	-22.6	-22.6	-22.5	-22.5	-22.5	-22.5	-22.5
18.6	-22.5	-22.5	-22.4	-22.4	-22.4	-22.4	-22.4	-22.4	-22.4	-22.4
18.7	-22.3	-22.3	-22.3	-22.3	-22.3	-22.3	-22.3	-22.2	-22.2	-22.2
18.8	-22.2	-22.2	-22.2	-22.2	-22.1	-22.1	-22.1	-22.1	-22.1	-22.1
18.9	-22.1	-22.1	-22.0	-22.0	-22.0	-22.0	-22.0	-22.0	-22.0	-21.9

TABLE 12D CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR CHANGES IN SALINITY (‰), V_s - Continued

S	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
19.0	-21.9	-21.9	-21.9	-21.9	-21.9	-21.9	-21.9	-21.8	-21.8	-21.8
19.1	-21.8	-21.8	-21.8	-21.8	-21.7	-21.7	-21.7	-21.7	-21.7	-21.7
19.2	-21.7	-21.7	-21.6	-21.6	-21.6	-21.6	-21.6	-21.6	-21.6	-21.5
19.3	-21.5	-21.5	-21.5	-21.5	-21.5	-21.5	-21.5	-21.4	-21.4	-21.4
19.4	-21.4	-21.4	-21.4	-21.4	-21.3	-21.3	-21.3	-21.3	-21.3	-21.3
19.5	-21.3	-21.2	-21.2	-21.2	-21.2	-21.2	-21.2	-21.2	-21.2	-21.1
19.6	-21.1	-21.1	-21.1	-21.1	-21.1	-21.1	-21.0	-21.0	-21.0	-21.0
19.7	-21.0	-21.0	-21.0	-21.0	-20.9	-20.9	-20.9	-20.9	-20.9	-20.9
19.8	-20.9	-20.8	-20.8	-20.8	-20.8	-20.8	-20.8	-20.8	-20.8	-20.7
19.9	-20.7	-20.7	-20.7	-20.7	-20.7	-20.7	-20.6	-20.6	-20.6	-20.6
20.0	-20.6	-20.6	-20.6	-20.5	-20.5	-20.5	-20.5	-20.5	-20.5	-20.5
20.1	-20.5	-20.4	-20.4	-20.4	-20.4	-20.4	-20.4	-20.4	-20.3	-20.3
20.2	-20.3	-20.3	-20.3	-20.3	-20.3	-20.3	-20.2	-20.2	-20.2	-20.2
20.3	-20.2	-20.2	-20.2	-20.1	-20.1	-20.1	-20.1	-20.1	-20.1	-20.1
20.4	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-19.9	-19.9
20.5	-19.9	-19.9	-19.9	-19.9	-19.9	-19.8	-19.8	-19.8	-19.8	-19.8
20.6	-19.8	-19.8	-19.8	-19.7	-19.7	-19.7	-19.7	-19.7	-19.7	-19.7
20.7	-19.6	-19.6	-19.6	-19.6	-19.6	-19.6	-19.6	-19.6	-19.5	-19.5
20.8	-19.5	-19.5	-19.5	-19.5	-19.5	-19.4	-19.4	-19.4	-19.4	-19.4
20.9	-19.4	-19.4	-19.3	-19.3	-19.3	-19.3	-19.3	-19.3	-19.3	-19.3
21.0	-19.2	-19.2	-19.2	-19.2	-19.2	-19.2	-19.2	-19.1	-19.1	-19.1
21.1	-19.1	-19.1	-19.1	-19.1	-19.1	-19.0	-19.0	-19.0	-19.0	-19.0
21.2	-19.0	-19.0	-18.9	-18.9	-18.9	-18.9	-18.9	-18.9	-18.9	-18.8
21.3	-18.8	-18.8	-18.8	-18.8	-18.8	-18.8	-18.8	-18.7	-18.7	-18.7
21.4	-18.7	-18.7	-18.7	-18.7	-18.6	-18.6	-18.6	-18.6	-18.6	-18.6
21.5	-18.6	-18.6	-18.5	-18.5	-18.5	-18.5	-18.5	-18.5	-18.5	-18.4
21.6	-18.4	-18.4	-18.4	-18.4	-18.4	-18.4	-18.3	-18.3	-18.3	-18.3
21.7	-18.3	-18.3	-18.3	-18.3	-18.2	-18.2	-18.2	-18.2	-18.2	-18.2
21.8	-18.2	-18.1	-18.1	-18.1	-18.1	-18.1	-18.1	-18.1	-18.1	-18.0
21.9	-18.0	-18.0	-18.0	-18.0	-18.0	-18.0	-17.9	-17.9	-17.9	-17.9
22.0	-17.9	-17.9	-17.9	-17.8	-17.8	-17.8	-17.8	-17.8	-17.8	-17.8
22.1	-17.8	-17.7	-17.7	-17.7	-17.7	-17.7	-17.7	-17.7	-17.6	-17.6
22.2	-17.6	-17.6	-17.6	-17.6	-17.6	-17.5	-17.5	-17.5	-17.5	-17.5
22.3	-17.5	-17.5	-17.5	-17.4	-17.4	-17.4	-17.4	-17.4	-17.4	-17.4
22.4	-17.3	-17.3	-17.3	-17.3	-17.3	-17.3	-17.3	-17.3	-17.2	-17.2
22.5	-17.2	-17.2	-17.2	-17.2	-17.2	-17.1	-17.1	-17.1	-17.1	-17.1
22.6	-17.1	-17.1	-17.0	-17.0	-17.0	-17.0	-17.0	-17.0	-17.0	-17.0
22.7	-16.9	-16.9	-16.9	-16.9	-16.9	-16.9	-16.9	-16.8	-16.8	-16.8
22.8	-16.8	-16.8	-16.8	-16.8	-16.7	-16.7	-16.7	-16.7	-16.7	-16.7
22.9	-16.7	-16.7	-16.6	-16.6	-16.6	-16.6	-16.6	-16.6	-16.6	-16.5
23.0	-16.5	-16.5	-16.5	-16.5	-16.5	-16.5	-16.5	-16.4	-16.4	-16.4
23.1	-16.4	-16.4	-16.4	-16.4	-16.3	-16.3	-16.3	-16.3	-16.3	-16.3
23.2	-16.3	-16.2	-16.2	-16.2	-16.2	-16.2	-16.2	-16.2	-16.2	-16.1
23.3	-16.1	-16.1	-16.1	-16.1	-16.1	-16.1	-16.0	-16.0	-16.0	-16.0
23.4	-16.0	-16.0	-16.0	-15.9	-15.9	-15.9	-15.9	-15.9	-15.9	-15.9

TABLE 120 CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR CHANGES IN SALINITY (‰), V_s - Continued

S	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
23.5	-15.9	-15.8	-15.8	-15.8	-15.8	-15.8	-15.8	-15.8	-15.7	-15.7
23.6	-15.7	-15.7	-15.7	-15.7	-15.7	-15.6	-15.6	-15.6	-15.6	-15.6
23.7	-15.6	-15.6	-15.6	-15.5	-15.5	-15.5	-15.5	-15.5	-15.5	-15.5
23.8	-15.4	-15.4	-15.4	-15.4	-15.4	-15.4	-15.4	-15.4	-15.3	-15.3
23.9	-15.3	-15.3	-15.3	-15.3	-15.3	-15.2	-15.2	-15.2	-15.2	-15.2
24.0	-15.2	-15.2	-15.1	-15.1	-15.1	-15.1	-15.1	-15.1	-15.1	-15.1
24.1	-15.0	-15.0	-15.0	-15.0	-15.0	-15.0	-15.0	-14.9	-14.9	-14.9
24.2	-14.9	-14.9	-14.9	-14.9	-14.8	-14.8	-14.8	-14.8	-14.8	-14.8
24.3	-14.8	-14.8	-14.[illegible]	-14.7	-14.7	-14.7	-14.7	-14.7	-14.7	-14.6
24.4	-14.6	-14.6	-14.6	-14.6	-14.6	-14.6	-14.5	-14.5	-14.5	-14.5
24.5	-14.5	-14.5	-14.5	-14.5	-14.4	-14.4	-14.4	-14.4	-14.4	-14.4
24.6	-14.4	-14.3	-14.3	-14.3	-14.3	-14.3	-14.3	-14.3	-14.2	-14.2
24.7	-14.2	-14.2	-14.2	-14.2	-14.2	-14.2	-14.1	-14.1	-14.1	-14.1
24.8	-14.1	-14.1	-14.1	-14.0	-14.0	-14.0	-14.0	-14.0	-14.0	-14.0
24.9	-13.9	-13.9	-13.9	-13.9	-13.9	-13.9	-13.9	-13.9	-13.8	-13.8
25.0	-13.8	-13.8	-13.8	-13.8	-13.8	-13.7	-13.7	-13.7	-13.7	-13.7
25.1	-13.7	-13.7	-13.6	-13.6	-13.6	-13.6	-13.6	-13.6	-13.6	-13.6
25.2	-13.5	-13.5	-13.5	-13.5	-13.5	-13.5	-13.5	-13.4	-13.4	-13.4
25.3	-13.4	-13.4	-13.4	-13.4	-13.3	-13.3	-13.3	-13.3	-13.3	-13.3
25.4	-13.3	-13.3	-13.2	-13.2	-13.2	-13.2	-13.2	-13.2	-13.2	-13.1
25.5	-13.1	-13.1	-13.1	-13.1	-13.1	-13.1	-13.0	-13.0	-13.0	-13.0
25.6	-13.0	-13.0	-13.0	-13.0	-12.9	-12.9	-12.9	-12.9	-12.9	-12.9
25.7	-12.9	-12.8	-12.8	-12.8	-12.8	-12.8	-12.8	-12.8	-12.7	-12.7
25.8	-12.7	12.7	-12.7	-12.7	-12.7	-12.6	-12.6	-12.6	-12.6	-12.6
25.9	-12.6	12.6	-12.6	-12.5	-12.5	-12.5	-12.5	-12.5	-12.5	-12.5
26.0	-12.4	12.4	-12.4	-12.4	-12.4	-12.4	-12.4	-12.3	-12.3	-12.3
26.1	-12.3	12.3	-12.3	-12.3	-12.3	-12.2	-12.2	-12.2	-12.2	-12.2
26.2	-12.2	12.2	-12.1	-12.1	-12.1	-12.1	-12.1	-12.1	-12.1	-12.0
26.3	-12.0	-12.0	-12.0	-12.0	-12.0	-12.0	-12.0	-11.9	-11.9	-11.9
26.4	-11.9	-11.9	-11.9	-11.9	-11.8	-11.8	-11.8	-11.8	-11.8	-11.8
26.5	-11.8	-11.7	-11.7	-11.7	-11.7	-11.7	-11.7	-11.7	-11.7	-11.6
26.6	-11.6	-11.6	-11.6	-11.6	-11.6	-11.6	-11.5	-11.5	-11.5	-11.5
26.7	-11.5	-11.5	-11.5	-11.4	-11.4	-11.4	-11.4	-11.4	-11.4	-11.4
26.8	-11.3	-11.3	-11.3	-11.3	-11.3	-11.3	-11.3	-11.3	-11.2	-11.2
26.9	-11.2	-11.2	-11.2	-11.2	-11.2	-11.1	-11.1	-11.1	-11.1	-11.1
27.0	-11.1	-11.1	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0
27.1	-10.9	-10.9	-10.9	-10.9	-10.9	-10.9	-10.9	-10.8	-10.8	-10.8
27.2	-10.8	-10.8	-10.8	-10.8	-10.7	-10.7	-10.7	-10.7	-10.7	-10.7
27.3	-10.7	-10.7	-10.6	-10.6	-10.6	-10.6	-10.6	-10.6	-10.6	-10.5
27.4	-10.5	-10.5	-10.5	-10.5	-10.5	-10.5	-10.4	-10.4	-10.4	-10.4
27.5	-10.4	-10.4	-10.4	-10.3	-10.3	-10.3	-10.3	-10.3	-10.3	-10.3
27.6	-10.3	-10.2	-10.2	-10.2	-10.2	-10.2	-10.2	-10.2	-10.1	-10.1
27.7	-10.1	-10.1	-10.1	-10.1	-10.1	-10.0	-10.0	-10.0	-10.0	-10.0
27.8	-10.0	-10.0	-10.0	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9
27.9	-9.8	-9.8	-9.8	-9.8	-9.8	-9.8	-9.8	-9.7	-9.7	-9.7
28.0	-9.7	-9.7	-9.7	-9.7	-9.6	-9.6	-9.6	-9.6	-9.6	-9.6
28.1	-9.6	-9.6	-9.5	-9.5	-9.5	-9.5	-9.5	-9.5	-9.5	-9.4
28.2	-9.4	-9.4	-9.4	-9.4	-9.4	-9.4	-9.3	-9.3	-9.3	-9.3
28.3	-9.3	-9.3	-9.3	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2
28.4	-9.2	-9.1	-9.1	-9.1	-9.1	-9.1	-9.1	-9.1	-9.0	-9.0

TABLE .2 CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR CHANGES IN SALINITY (‰), V_s - Continued

S	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
28.5	-9.0	-9.0	-9.0	-9.0	-9.0	-8.9	-8.9	-8.9	-8.9	-8.9
28.6	-8.9	-8.9	-8.9	-8.8	-8.8	-8.8	-8.8	-8.8	-8.8	-8.8
28.7	-8.7	-8.7	-8.7	-8.7	-8.7	-8.7	-8.7	-8.6	-8.6	-8.6
28.8	-8.6	-8.6	-8.6	-8.6	-8.5	-8.5	-8.5	-8.5	-8.5	-8.5
28.9	-8.5	-8.5	-8.4	-8.4	-8.4	-8.4	-8.4	-8.4	-8.4	-8.3
29.0	-8.3	-8.3	-8.3	-8.3	-8.3	-8.3	-8.2	-8.2	-8.2	-8.2
29.1	-8.2	-8.2	-8.2	-8.1	-8.1	-8.1	-8.1	-8.1	-8.1	-8.1
29.2	-8.1	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-7.9	-7.9
29.3	-7.9	-7.9	-7.9	-7.9	-7.9	-7.8	-7.8	-7.8	-7.8	-7.8
29.4	-7.8	-7.8	-7.7	-7.7	-7.7	-7.7	-7.7	-7.7	-7.7	-7.7
29.5	-7.6	-7.6	-7.6	-7.6	-7.6	-7.6	-7.6	-7.5	-7.5	-7.5
29.6	-7.5	-7.5	-7.5	-7.5	-7.4	-7.4	-7.4	-7.4	-7.4	-7.4
29.7	-7.4	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.2
29.8	-7.2	-7.2	-7.2	-7.2	-7.2	-7.2	-7.1	-7.1	-7.1	-7.1
29.9	-7.1	-7.1	-7.1	-7.0	-7.0	-7.0	-7.0	-7.0	-7.0	-7.0
30.0	-6.9	-6.9	-6.9	-6.9	-6.9	-6.9	-6.9	-6.9	-6.8	-6.8
30.1	-6.8	-6.8	-6.8	-6.8	-6.8	-6.7	-6.7	-6.7	-6.7	-6.7
30.2	-6.7	-6.7	-6.6	-6.6	-6.6	-6.6	-6.6	-6.6	-6.6	-6.5
30.3	-6.5	-6.5	-6.5	-6.5	-6.5	-6.5	-6.5	-6.4	-6.4	-6.4
30.4	-6.4	-6.4	-6.4	-6.4	-6.3	-6.3	-6.3	-6.3	-6.3	-6.3
30.5	-6.3	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2	-6.1	-6.1
30.6	-6.1	-6.1	-6.1	-6.1	-6.1	-6.0	-6.0	-6.0	-6.0	-6.0
30.7	-6.0	-6.0	-6.0	-5.9	-5.9	-5.9	-5.9	-5.9	-5.9	-5.9
30.8	-5.8	-5.8	-5.8	-5.8	-5.8	-5.8	-5.8	-5.7	-5.7	-5.7
30.9	-5.7	-5.7	-5.7	-5.7	-5.6	-5.6	-5.6	-5.6	-5.6	-5.6
31.0	-5.6	-5.6	-5.5	-5.5	-5.5	-5.5	-5.5	-5.5	-5.5	-5.4
31.1	-5.4	-5.4	-5.4	-5.4	-5.4	-5.4	-5.3	-5.3	-5.3	-5.3
31.2	-5.3	-5.3	-5.3	-5.2	-5.2	-5.2	-5.2	-5.2	-5.2	-5.2
31.3	-5.1	-5.1	-5.1	-5.1	-5.1	-5.1	-5.1	-5.1	-5.0	-5.0
31.4	-5.0	-5.0	-5.0	-5.0	-5.0	-4.9	-4.9	-4.9	-4.9	-4.9
31.5	-4.9	-4.9	-4.8	-4.8	-4.8	-4.8	-4.8	-4.8	-4.3	-4.7
31.6	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.6	-4.6	-4.6
31.7	-4.6	-4.6	-4.6	-4.6	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5
31.8	-4.5	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.3	-4.3
31.9	-4.3	-4.3	-4.3	-4.3	-4.3	-4.2	-4.2	-4.2	-4.2	-4.2
32.0	-4.2	-4.2	-4.2	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
32.1	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-3.9	-3.9	-3.9
32.2	-3.9	-3.9	-3.9	-3.9	-3.8	-3.8	-3.8	-3.8	-3.8	-3.8
32.3	-3.8	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.6
32.4	-3.6	-3.6	-3.6	-3.6	-3.6	-3.6	-3.5	-3.5	-3.5	-3.5
32.5	-3.5	-3.5	-3.5	-3.4	-3.4	-3.4	-3.4	-3.4	-3.4	-3.4
32.6	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.2	-3.2	-3.2
32.7	-3.2	-3.2	-3.2	-3.2	-3.2	-3.1	-3.1	-3.1	-3.1	-3.1
32.8	-3.1	-3.1	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-2.9
32.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.8	-2.8	-2.3	-2.8

TABLE 120 CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR CHANGES IN SALINITY (‰), V_s - Continued

S	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
33.0	-2.8	-2.8	-2.8	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7
33.1	-2.7	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.5	-2.5
33.2	-2.5	-2.5	-2.5	-2.5	-2.5	-2.4	-2.4	-2.4	-2.4	-2.4
33.3	-2.4	-2.4	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.2
33.4	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.1	-2.1	-2.1	-2.1
33.5	-2.1	-2.1	-2.1	-2.1	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0
33.6	-2.0	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8
33.7	-1.8	-1.8	-1.8	-1.8	-1.8	-1.7	-1.7	-1.7	-1.7	-1.7
33.8	-1.7	-1.7	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.5
33.9	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.4	-1.4	-1.4
34.0	-1.4	-1.4	-1.4	-1.4	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3
34.1	-1.3	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.1	-1.1
34.2	-1.1	-1.1	-1.1	-1.1	-1.1	-1.0	-1.0	-1.0	-1.0	-1.0
34.3	-1.0	-1.0	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9
34.4	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.7	-0.7	-0.7
34.5	-0.7	-0.7	-0.7	-0.7	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
34.6	-0.6	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.4	-0.4
34.7	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.3	-0.3	-0.3	-0.3
34.8	-0.3	-0.3	-0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
34.9	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	-0.0	-0.0
35.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
35.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
35.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
35.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
35.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7
35.5	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
35.6	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0
35.7	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1
35.8	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
35.9	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4
36.0	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5
36.1	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7
36.2	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8
36.3	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9
36.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1
36.5	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2
36.6	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4
36.7	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5
36.8	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6
36.9	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8
37.0	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9
37.1	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1
37.2	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2
37.3	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4
37.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5
37.5	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6
37.6	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.8
37.7	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9
37.8	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.1
37.9	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2

TABLE 120 CORRECTION TO SOUND SPEED, V_0 (1449.1 m/sec), FOR CHANGES IN SALINITY (‰), V_s - Continued

S	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
38.0	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3
38.1	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.5
38.2	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.6
38.3	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.8
38.4	4.8	4.8	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.9
38.5	4.9	4.9	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0
38.6	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.2	5.2	5.2
38.7	5.2	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.3	5.3
38.8	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5
38.9	5.5	5.5	5.5	5.5	5.5	5.5	5.6	5.6	5.6	5.6
39.0	5.6	5.6	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7
39.1	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.9	5.9	5.9
39.2	5.9	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.0
39.3	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.2	6.2
39.4	6.2	6.2	6.2	6.2	6.2	6.3	6.3	6.3	6.3	6.3
39.5	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.5
39.6	6.5	6.5	6.5	6.5	6.5	6.5	6.6	6.6	6.6	6.6
39.7	6.6	6.6	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7
39.8	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.9	6.9
39.9	6.9	6.9	6.9	6.9	6.9	7.0	7.0	7.0	7.0	7.0
40.0	7.0	7.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.2
40.1	7.2	7.2	7.2	7.2	7.2	7.2	7.3	7.3	7.3	7.3
40.2	7.3	7.3	7.3	7.4	7.4	7.4	7.4	7.4	7.4	7.4
40.3	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.6	7.6	7.6
40.4	7.6	7.6	7.6	7.6	7.7	7.7	7.7	7.7	7.7	7.7
40.5	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.9	7.9
40.6	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0	8.0	8.0
40.7	8.0	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.2
40.8	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.3	8.3	8.3
40.9	8.3	8.3	8.3	8.3	8.4	8.4	8.4	8.4	8.4	8.4
41.0	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.6	8.6
41.1	8.6	8.6	8.6	8.6	8.6	8.7	8.7	8.7	8.7	8.7
41.2	8.7	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.9
41.3	8.9	8.9	8.9	8.9	8.9	8.9	9.0	9.0	9.0	9.0
41.4	9.0	9.0	9.0	9.1	9.1	9.1	9.1	9.1	9.1	9.1
41.5	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.3	9.3	9.3
41.6	9.3	9.3	9.3	9.3	9.4	9.4	9.4	9.4	9.4	9.4
41.7	9.4	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.6	9.6
41.8	9.6	9.6	9.6	9.6	9.6	9.7	9.7	9.7	9.7	9.7
41.9	9.7	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.9

TABLE 12E CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR CHANGES IN TEMPERATURE (°C), V_t

T	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
-2.5	-11.7	-11.8	-11.8	-11.8	-11.9	-11.9	-12.0	-12.0	-12.1	-12.1
-2.4	-11.2	-11.3	-11.3	-11.4	-11.4	-11.5	-11.5	-11.6	-11.6	-11.7
-2.3	-10.7	-10.8	-10.8	-10.9	-10.9	-11.0	-11.0	-11.1	-11.1	-11.2
-2.2	-10.3	-10.3	-10.4	-10.4	-10.5	-10.5	-10.6	-10.6	-10.7	-10.7
-2.1	-9.8	-9.8	-9.9	-9.9	-10.0	-10.0	-10.1	-10.1	-10.2	-10.2
-2.0	-9.3	-9.4	-9.4	-9.5	-9.5	-9.6	-9.6	-9.7	-9.7	-9.7
-1.9	-8.8	-8.9	-8.9	-9.0	-9.0	-9.1	-9.1	-9.2	-9.2	-9.3
-1.8	-8.4	-8.4	-8.5	-8.5	-8.6	-8.6	-8.7	-8.7	-8.8	-8.8
-1.7	-7.9	-7.9	-8.0	-8.0	-8.1	-8.1	-8.2	-8.2	-8.3	-8.3
-1.6	-7.4	-7.5	-7.5	-7.6	-7.6	-7.7	-7.7	-7.8	-7.8	-7.9
-1.5	-7.0	-7.0	-7.1	-7.1	-7.1	-7.2	-7.2	-7.3	-7.3	-7.4
-1.4	-6.5	-6.5	-6.6	-6.6	-6.7	-6.7	-6.8	-6.8	-6.9	-6.9
-1.3	-6.0	-6.1	-6.1	-6.2	-6.2	-6.3	-6.3	-6.3	-6.4	-6.4
-1.2	-5.6	-5.6	-5.6	-5.7	-5.7	-5.8	-5.8	-5.9	-5.9	-6.0
-1.1	-5.1	-5.1	-5.2	-5.2	-5.3	-5.3	-5.4	-5.4	-5.5	-5.5
-1.0	-4.6	-4.7	-4.7	-4.8	-4.8	-4.8	-4.9	-4.9	-5.0	-5.0
-0.9	-4.2	-4.2	-4.2	-4.3	-4.3	-4.4	-4.4	-4.5	-4.5	-4.6
-0.8	-3.7	-3.7	-3.8	-3.8	-3.9	-3.9	-4.0	-4.0	-4.1	-4.1
-0.7	-3.2	-3.3	-3.3	-3.4	-3.4	-3.5	-3.5	-3.5	-3.6	-3.6
-0.6	-2.8	-2.8	-2.9	-2.9	-2.9	-3.0	-3.0	-3.1	-3.1	-3.2
-0.5	-2.3	-2.3	-2.4	-2.4	-2.5	-2.5	-2.6	-2.6	-2.7	-2.7
-0.4	-1.8	-1.9	-1.9	-2.0	-2.0	-2.1	-2.1	-2.2	-2.2	-2.3
-0.3	-1.4	-1.4	-1.5	-1.5	-1.6	-1.6	-1.7	-1.7	-1.7	-1.8
-0.2	-0.9	-1.0	-1.0	-1.1	-1.1	-1.1	-1.2	-1.2	-1.3	-1.3
-0.1	-0.5	-0.5	-0.5	-0.6	-0.6	-0.7	-0.7	-0.8	-0.8	-0.9
0.0	0.0	-0.0	-0.1	-0.1	-0.2	-0.2	-0.3	-0.3	-0.4	-0.4
0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4
0.1	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9
0.2	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.3	1.3
0.3	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.7	1.7	1.8
0.4	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.2	2.2
0.5	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.7
0.6	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.1	3.1
0.7	3.2	3.2	3.3	3.3	3.4	3.4	3.4	3.5	3.5	3.6
0.8	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.9	4.0	4.0
0.9	4.1	4.1	4.2	4.2	4.3	4.3	4.3	4.4	4.4	4.5
1.0	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.8	4.9	4.9
1.1	5.0	5.0	5.1	5.1	5.2	5.2	5.2	5.3	5.3	5.4
1.2	5.4	5.5	5.5	5.6	5.6	5.6	5.7	5.7	5.8	5.8
1.3	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.2	6.2	6.3
1.4	6.3	6.4	6.4	6.4	6.5	6.5	6.6	6.6	6.7	6.7
1.5	6.8	6.8	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.2
1.6	7.2	7.2	7.3	7.3	7.4	7.4	7.5	7.5	7.6	7.6
1.7	7.6	7.7	7.7	7.8	7.8	7.9	7.9	8.0	8.0	8.0
1.8	8.1	8.1	8.2	8.2	8.3	8.3	8.3	8.4	8.4	8.5

TABLE 12E CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR CHANGES IN TEMPERATURE (°C), V_t - Continued

T	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
1.9	8.5	8.6	8.6	8.7	8.7	8.7	8.8	8.8	8.9	8.9
2.0	9.0	9.0	9.1	9.1	9.1	9.2	9.2	9.3	9.3	9.4
2.1	9.4	9.4	9.5	9.5	9.6	9.6	9.7	9.7	9.8	9.8
2.2	9.8	9.9	9.9	10.0	10.0	10.1	10.1	10.1	10.2	10.2
2.3	10.3	10.3	10.4	10.4	10.5	10.5	10.5	10.6	10.6	10.7
2.4	10.7	10.8	10.8	10.8	10.9	10.9	11.0	11.0	11.1	11.1
2.5	11.1	11.2	11.2	11.3	11.3	11.4	11.4	11.5	11.5	11.5
2.6	11.6	11.6	11.7	11.7	11.8	11.8	11.8	11.9	11.9	12.0
2.7	12.0	12.1	12.1	12.1	12.2	12.2	12.3	12.3	12.4	12.4
2.8	12.4	12.5	12.5	12.6	12.6	12.7	12.7	12.7	12.8	12.8
2.9	12.9	12.9	13.0	13.0	13.1	13.1	13.1	13.2	13.2	13.3
3.0	13.3	13.4	13.4	13.4	13.5	13.5	13.6	13.6	13.7	13.7
3.1	13.7	13.8	13.8	13.9	13.9	14.0	14.0	14.0	14.1	14.1
3.2	14.2	14.2	14.3	14.3	14.3	14.4	14.4	14.5	14.5	14.6
3.3	14.6	14.6	14.7	14.7	14.8	14.8	14.9	14.9	14.9	15.0
3.4	15.0	15.1	15.1	15.1	15.2	15.2	15.3	15.3	15.4	15.4
3.5	15.4	15.5	15.5	15.6	15.6	15.7	15.7	15.7	15.8	15.8
3.6	15.9	15.9	16.0	16.0	16.0	16.1	16.1	16.2	16.2	16.3
3.7	16.3	16.3	16.4	16.4	16.5	16.5	16.5	16.6	16.6	16.7
3.8	16.7	16.8	16.8	16.8	16.9	16.9	17.0	17.0	17.1	17.1
3.9	17.1	17.2	17.2	17.3	17.3	17.4	17.4	17.4	17.5	17.5
4.0	17.6	17.6	17.6	17.7	17.7	17.8	17.8	17.9	17.9	17.9
4.1	18.0	18.0	18.1	18.1	18.1	18.2	18.2	18.3	18.3	18.4
4.2	18.4	18.4	18.5	18.5	18.6	18.6	18.7	18.7	18.7	18.8
4.3	18.8	18.9	18.9	18.9	19.0	19.0	19.1	19.1	19.2	19.2
4.4	19.2	19.3	19.3	19.4	19.4	19.4	19.5	19.5	19.6	19.6
4.5	19.7	19.7	19.7	19.8	19.8	19.9	19.9	19.9	20.0	20.0
4.6	20.1	20.1	20.2	20.2	20.2	20.3	20.3	20.4	20.4	20.4
4.7	20.5	20.5	20.6	20.6	20.6	20.7	20.7	20.8	20.8	20.9
4.8	20.9	20.9	21.0	21.0	21.1	21.1	21.1	21.2	21.2	21.3
4.9	21.3	21.3	21.4	21.4	21.5	21.5	21.6	21.6	21.6	21.7
5.0	21.7	21.8	21.8	21.8	21.9	21.9	22.0	22.0	22.0	22.1
5.1	22.1	22.2	22.2	22.3	22.3	22.3	22.4	22.4	22.5	22.5
5.2	22.5	22.6	22.6	22.7	22.7	22.7	22.8	22.8	22.9	22.9
5.3	22.9	23.0	23.0	23.1	23.1	23.2	23.2	23.2	23.3	23.3
5.4	23.4	23.4	23.4	23.5	23.5	23.6	23.6	23.6	23.7	23.7
5.5	23.8	23.8	23.8	23.9	23.9	24.0	24.0	24.0	24.1	24.1
5.6	24.2	24.2	24.3	24.3	24.3	24.4	24.4	24.5	24.5	24.5
5.7	24.6	24.6	24.7	24.7	24.7	24.8	24.8	24.9	24.9	24.9
5.8	25.0	25.0	25.1	25.1	25.1	25.2	25.2	25.3	25.3	25.3
5.9	25.4	25.4	25.5	25.5	25.5	25.6	25.6	25.7	25.7	25.7
6.0	25.8	25.8	25.9	25.9	25.9	26.0	26.0	26.1	26.1	26.1
6.1	26.2	26.2	26.3	26.3	26.3	26.4	26.4	26.5	26.5	26.5
6.2	26.6	26.6	26.7	26.7	26.7	26.8	26.8	26.9	26.9	26.9
6.3	27.0	27.0	27.1	27.1	27.1	27.2	27.2	27.3	27.3	27.3
6.4	27.4	27.4	27.5	27.5	27.5	27.6	27.6	27.7	27.7	27.7
6.5	27.8	27.8	27.9	27.9	27.9	28.0	28.0	28.1	28.1	28.1
6.6	28.2	28.2	28.3	28.3	28.3	28.4	28.4	28.5	28.5	28.5
6.7	28.6	28.6	28.7	28.7	28.7	28.8	28.8	28.8	28.9	28.9
6.8	29.0	29.0	29.0	29.1	29.1	29.2	29.2	29.2	29.3	29.3

TABLE 12E CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR CHANGES IN TEMPERATURE (°C), V_t - Continued

T	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
6.9	29.4	29.4	29.4	29.5	29.5	29.6	29.6	29.6	29.7	29.7
7.0	29.8	29.8	29.8	29.9	29.9	29.9	30.0	30.0	30.1	30.1
7.1	30.1	30.2	30.2	30.3	30.3	30.3	30.4	30.4	30.5	30.5
7.2	30.5	30.6	30.6	30.7	30.7	30.7	30.8	30.8	30.8	30.9
7.3	30.9	31.0	31.0	31.0	31.1	31.1	31.2	31.2	31.2	31.3
7.4	31.3	31.4	31.4	31.4	31.5	31.5	31.5	31.6	31.6	31.7
7.5	31.7	31.7	31.8	31.8	31.9	31.9	31.9	32.0	32.0	32.0
7.6	32.1	32.1	32.2	32.2	32.2	32.3	32.3	32.4	32.4	32.4
7.7	32.5	32.5	32.6	32.6	32.6	32.7	32.7	32.7	32.8	32.8
7.8	32.9	32.9	32.9	33.0	33.0	33.1	33.1	33.1	33.2	33.2
7.9	33.2	33.3	33.3	33.4	33.4	33.4	33.5	33.5	33.5	33.6
8.0	33.6	33.7	33.7	33.7	33.8	33.8	33.9	33.9	33.9	34.0
8.1	34.0	34.0	34.1	34.1	34.2	34.2	34.2	34.3	34.3	34.4
8.2	34.4	34.4	34.5	34.5	34.5	34.6	34.6	34.7	34.7	34.7
8.3	34.8	34.8	34.8	34.9	34.9	35.0	35.0	35.0	35.1	35.1
8.4	35.1	35.2	35.2	35.3	35.3	35.3	35.4	35.4	35.5	35.5
8.5	35.5	35.6	35.6	35.6	35.7	35.7	35.8	35.8	35.8	35.9
8.6	35.9	35.9	36.0	36.0	36.1	36.1	36.1	36.2	36.2	36.2
8.7	36.3	36.3	36.4	36.4	36.4	36.5	36.5	36.5	36.6	36.6
8.8	36.7	36.7	36.7	36.8	36.8	36.8	36.9	36.9	37.0	37.0
8.9	37.0	37.1	37.1	37.1	37.2	37.2	37.3	37.3	37.3	37.4
9.0	37.4	37.4	37.5	37.5	37.6	37.6	37.6	37.7	37.7	37.7
9.1	37.8	37.8	37.9	37.9	37.9	38.0	38.0	38.0	38.1	38.1
9.2	38.1	38.2	38.2	38.3	38.3	38.3	38.4	38.4	38.4	38.5
9.3	38.5	38.6	38.6	38.6	38.7	38.7	38.7	38.8	38.8	38.9
9.4	38.9	38.9	39.0	39.0	39.0	39.1	39.1	39.1	39.2	39.2
9.5	39.3	39.3	39.3	39.4	39.4	39.4	39.5	39.5	39.6	39.6
9.6	39.6	39.7	39.7	39.7	39.8	39.8	39.8	39.9	39.9	40.0
9.7	40.0	40.0	40.1	40.1	40.1	40.2	40.2	40.2	40.3	40.3
9.8	40.4	40.4	40.4	40.5	40.5	40.5	40.6	40.6	40.7	40.7
9.9	40.7	40.8	40.8	40.8	40.9	40.9	40.9	41.0	41.0	41.1
10.0	41.1	41.1	41.2	41.2	41.2	41.3	41.3	41.3	41.4	41.4
10.1	41.5	41.5	41.5	41.6	41.6	41.6	41.7	41.7	41.7	41.8
10.2	41.8	41.8	41.9	41.9	42.0	42.0	42.0	42.1	42.1	42.1
10.3	42.2	42.2	42.2	42.3	42.3	42.4	42.4	42.4	42.5	42.5
10.4	42.5	42.6	42.6	42.6	42.7	42.7	42.7	42.8	42.8	42.9
10.5	42.9	42.9	43.0	43.0	43.0	43.1	43.1	43.1	43.2	43.2
10.6	43.3	43.3	43.3	43.4	43.4	43.4	43.5	43.5	43.5	43.6
10.7	43.6	43.6	43.7	43.7	43.8	43.8	43.8	43.9	43.9	43.9
10.8	44.0	44.0	44.0	44.1	44.1	44.1	44.2	44.2	44.2	44.3
10.9	44.3	44.4	44.4	44.4	44.5	44.5	44.5	44.6	44.6	44.6
11.0	44.7	44.7	44.7	44.8	44.8	44.9	44.9	44.9	45.0	45.0
11.1	45.0	45.1	45.1	45.1	45.2	45.2	45.2	45.3	45.3	45.3
11.2	45.4	45.4	45.5	45.5	45.5	45.6	45.6	45.6	45.7	45.7
11.3	45.7	45.8	45.8	45.8	45.9	45.9	45.9	46.0	46.0	46.0

TABLE 12E CORRECTION TO SOUND SPEED, V_0 (1449.1 m/sec), FOR CHANGES IN TEMPERATURE (°C), V_t - Continued

T	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
11.4	46.1	46.1	46.2	46.2	46.2	46.3	46.3	46.3	46.4	46.4
11.5	46.4	46.5	46.5	46.5	46.6	46.6	46.6	46.7	46.7	46.7
11.6	46.8	46.8	46.9	46.9	46.9	47.0	47.0	47.0	47.1	47.1
11.7	47.1	47.2	47.2	47.2	47.3	47.3	47.3	47.4	47.4	47.4
11.8	47.5	47.5	47.5	47.6	47.6	47.7	47.7	47.7	47.8	47.8
11.9	47.8	47.9	47.9	47.9	48.0	48.0	48.0	48.1	48.1	48.1
12.0	48.2	48.2	48.2	48.3	48.3	48.3	48.4	48.4	48.4	48.5
12.1	48.5	48.5	48.6	48.6	48.6	48.7	48.7	48.8	48.8	48.8
12.2	48.9	48.9	48.9	49.0	49.0	49.0	49.1	49.1	49.1	49.2
12.3	49.2	49.2	49.3	49.3	49.3	49.4	49.4	49.4	49.5	49.5
12.4	49.5	49.6	49.6	49.6	49.7	49.7	49.7	49.8	49.8	49.8
12.5	49.9	49.9	49.9	50.0	50.0	50.0	50.1	50.1	50.2	50.2
12.6	50.2	50.3	50.3	50.3	50.4	50.4	50.4	50.5	50.5	50.5
12.7	50.6	50.6	50.6	50.7	50.7	50.7	50.8	50.8	50.8	50.9
12.8	50.9	50.9	51.0	51.0	51.0	51.1	51.1	51.1	51.2	51.2
12.9	51.2	51.3	51.3	51.3	51.4	51.4	51.4	51.5	51.5	51.5
13.0	51.6	51.6	51.6	51.7	51.7	51.7	51.8	51.8	51.8	51.9
13.1	51.9	51.9	52.0	52.0	52.0	52.1	52.1	52.1	52.2	52.2
13.2	52.2	52.3	52.3	52.3	52.4	52.4	52.4	52.5	52.5	52.5
13.3	52.6	52.6	52.6	52.7	52.7	52.7	52.8	52.8	52.8	52.9
13.4	52.9	52.9	53.0	53.0	53.0	53.1	53.1	53.1	53.2	53.2
13.5	53.2	53.3	53.3	53.3	53.4	53.4	53.4	53.5	53.5	53.5
13.6	53.6	53.6	53.6	53.7	53.7	53.7	53.8	53.8	53.8	53.9
13.7	53.9	53.9	54.0	54.0	54.0	54.1	54.1	54.1	54.2	54.2
13.8	54.2	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.5	54.5
13.9	54.5	54.6	54.6	54.6	54.7	54.7	54.7	54.8	54.8	54.8
14.0	54.9	54.9	54.9	55.0	55.0	55.0	55.1	55.1	55.1	55.2
14.1	55.2	55.2	55.3	55.3	55.3	55.4	55.4	55.4	55.5	55.5
14.2	55.5	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.8	55.8
14.3	55.8	55.9	55.9	55.9	56.0	56.0	56.0	56.1	56.1	56.1
14.4	56.2	56.2	56.2	56.3	56.3	56.3	56.4	56.4	56.4	56.5
14.5	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.8
14.6	56.8	56.8	56.9	56.9	56.9	57.0	57.0	57.0	57.1	57.1
14.7	57.1	57.2	57.2	57.2	57.3	57.3	57.3	57.4	57.4	57.4
14.8	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.7	57.7	57.7
14.9	57.8	57.8	57.8	57.9	57.9	57.9	58.0	58.0	58.0	58.1
15.0	58.1	58.1	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.4
15.1	58.4	58.4	58.5	58.5	58.5	58.6	58.6	58.6	58.7	58.7
15.2	58.7	58.8	58.8	58.8	58.8	58.9	58.9	58.9	59.0	59.0
15.3	59.0	59.1	59.1	59.1	59.2	59.2	59.2	59.3	59.3	59.3
15.4	59.3	59.4	59.4	59.4	59.5	59.5	59.5	59.6	59.6	59.6
15.5	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.9	59.9	59.9
15.6	60.0	60.0	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.3
15.7	60.3	60.3	60.3	60.4	60.4	60.4	60.5	60.5	60.5	60.6
15.8	60.6	60.6	60.7	60.7	60.7	60.7	60.8	60.8	60.8	60.9
15.9	60.9	60.9	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.2

TABLE 12E CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR CHANGES IN TEMPERATURE (°C), V_t - Continued

T	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
16.0	61.2	61.2	61.3	61.3	61.3	61.4	61.4	61.4	61.5	61.5
16.1	61.5	61.5	61.6	61.6	61.6	61.7	61.7	61.7	61.8	61.8
16.2	61.8	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.1	62.1
16.3	62.1	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.4	62.4
16.4	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.7	62.7
16.5	62.7	62.8	62.8	62.8	62.9	62.9	62.9	62.9	63.0	63.0
16.6	63.0	63.1	63.1	63.1	63.2	63.2	63.2	63.3	63.3	63.3
16.7	63.3	63.4	63.4	63.4	63.5	63.5	63.5	63.6	63.6	63.6
16.8	63.6	63.7	63.7	63.7	63.8	63.8	63.8	63.9	63.9	63.9
16.9	63.9	64.0	64.0	64.0	64.1	64.1	64.1	64.2	64.2	64.2
17.0	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.5	64.5	64.5
17.1	64.5	64.6	64.6	64.6	64.7	64.7	64.7	64.8	64.8	64.8
17.2	64.8	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.1	65.1
17.3	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.4	65.4
17.4	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.7	65.7
17.5	65.7	65.8	65.8	65.8	65.8	65.9	65.9	65.9	66.0	66.0
17.6	66.0	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.3	66.3
17.7	66.3	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.6
17.8	66.6	66.6	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.9
17.9	66.9	66.9	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.2
18.0	67.2	67.2	67.2	67.3	67.3	67.3	67.4	67.4	67.4	67.4
18.1	67.5	67.5	67.5	67.6	67.6	67.6	67.7	67.7	67.7	67.7
18.2	67.8	67.8	67.8	67.9	67.9	67.9	67.9	68.0	68.0	68.0
18.3	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.3	68.3	68.3
18.4	68.3	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.6	68.6
18.5	68.6	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.9	68.9
18.6	68.9	68.9	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.2
18.7	69.2	69.2	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.5
18.8	69.5	69.5	69.5	69.6	69.6	69.6	69.7	69.7	69.7	69.7
18.9	69.8	69.8	69.8	69.9	69.9	69.9	69.9	70.0	70.0	70.0
19.0	70.0	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.3	70.3
19.1	70.3	70.4	70.4	70.4	70.4	70.5	70.5	70.5	70.6	70.6
19.2	70.6	70.6	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.9
19.3	70.9	70.9	70.9	71.0	71.0	71.0	71.1	71.1	71.1	71.1
19.4	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.4	71.4	71.4
19.5	71.4	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.7	71.7
19.6	71.7	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	72.0
19.7	72.0	72.0	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2
19.8	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.5	72.5	72.5
19.9	72.5	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.8	72.8
20.0	72.8	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.1
20.1	73.1	73.1	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.3
20.2	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.6	73.6	73.6
20.3	73.6	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.9	73.9
20.4	73.9	73.9	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.2
20.5	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.4	74.4	74.4

TABLE 12E CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR CHANGES IN TEMPERATURE (°C), V_t —Continued

T	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
20.6	74.4	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.7	74.7
20.7	74.7	74.7	74.8	74.8	74.8	74.9	74.9	74.9	74.9	75.0
20.8	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.2	75.2	75.2
20.9	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.5	75.5
21.0	75.5	75.5	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.8
21.1	75.8	75.8	75.8	75.9	75.9	75.9	75.9	76.0	76.0	76.0
21.2	76.0	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.3	76.3
21.3	76.3	76.3	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.5
21.4	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.8	76.8	76.8
21.5	76.8	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.1
21.6	77.1	77.1	77.1	77.2	77.2	77.2	77.3	77.3	77.3	77.3
21.7	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.6	77.6
21.8	77.6	77.6	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8
21.9	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.1	78.1	78.1
22.0	78.1	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.4
22.1	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.6	78.6	78.6
22.2	78.6	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.9
22.3	78.9	78.9	78.9	79.0	79.0	79.0	79.1	79.1	79.1	79.1
22.4	79.2	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.4	79.4
22.5	79.4	79.4	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6
22.6	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.9	79.9
22.7	79.9	79.9	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1
22.8	80.2	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.4	80.4
22.9	80.4	80.4	80.5	80.5	80.5	80.5	80.6	80.6	80.6	80.6
23.0	80.7	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.9	80.9
23.1	80.9	80.9	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1
23.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.4	81.4
23.3	81.4	81.4	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6
23.4	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.9	81.9
23.5	81.9	81.9	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1
23.6	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.4
23.7	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.6	82.6	82.6
23.8	82.6	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.9
23.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.1	83.1	83.1
24.0	83.1	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3
24.1	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.6	83.6
24.2	83.6	83.6	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8
24.3	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.1
24.4	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.3	84.3	84.3
24.5	84.3	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5
24.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.8	84.8
24.7	84.8	84.8	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0
24.8	85.0	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.3
24.9	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.5	85.5
25.0	85.5	85.5	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.7
25.1	85.8	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9	86.0
25.2	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.2	86.2	86.2
25.3	86.2	86.2	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4
25.4	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.7
25.5	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.9	86.9	86.9

TABLE 12E CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR CHANGES IN TEMPERATURE (°C), V_t - Continued

T	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
25.6	86.9	86.9	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1
25.7	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.4
25.8	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.6	87.6
25.9	87.6	87.6	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8
26.0	87.8	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0
26.1	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.3	88.3
26.2	88.3	89.3	88.3	88.4	88.4	88.4	88.4	88.5	88.5	88.5
26.3	88.5	88.5	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7
26.4	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9	89.0
26.5	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.2	89.2
26.6	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.4	89.4	89.4
26.7	89.4	89.5	89.5	89.5	89.5	89.5	89.6	89.6	89.6	89.6
26.8	89.7	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.9
26.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.1	90.1
27.0	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.3	90.3	90.3
27.1	90.3	90.3	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.5
27.2	90.5	90.6	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7
27.3	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	91.0
27.4	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.2	91.2
27.5	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.4	91.4	91.4
27.6	91.4	91.4	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6
27.7	91.6	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8
27.8	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.1
27.9	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.3	92.3
28.0	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.5	92.5
28.1	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7
28.2	92.7	92.8	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9
28.3	92.9	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1
28.4	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.4
28.5	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.6
28.6	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.8	93.8
28.7	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	94.0	94.0
28.8	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2
28.9	94.2	94.2	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4
29.0	94.4	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6
29.1	94.6	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8
29.2	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0
29.3	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.3
29.4	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.5
29.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.7	95.7
29.6	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.9	95.9
29.7	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.1	96.1
29.8	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.3	96.3	96.3
29.9	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.5	96.5	96.5
30.0	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7

TABLE 12E CORRECTION TO SOUND SPEED, V_0 (1449.1 m/sec), FOR CHANGES IN TEMPERATURE (°C), V_t - Continued

T	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
30.1	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9
30.2	96.9	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1
30.3	97.1	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3
30.4	97.3	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5
30.5	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7
30.6	97.7	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9
30.7	97.9	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1
30.8	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3
30.9	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5
31.0	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7
31.1	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
31.2	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
31.3	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3
31.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5
31.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
31.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
31.7	100.0	100.0	100.0	100.0	100.0	100.1	100.1	100.1	100.1	100.1
31.8	100.2	100.2	100.2	100.2	100.2	100.2	100.3	100.3	100.3	100.3
31.9	100.3	100.4	100.4	100.4	100.4	100.4	100.5	100.5	100.5	100.5
32.0	100.5	100.6	100.6	100.6	100.6	100.6	100.7	100.7	100.7	100.7
32.1	100.7	100.8	100.8	100.8	100.8	100.8	100.9	100.9	100.9	100.9
32.2	100.9	101.0	101.0	101.0	101.0	101.0	101.1	101.1	101.1	101.1
32.3	101.1	101.2	101.2	101.2	101.2	101.2	101.3	101.3	101.3	101.3
32.4	101.3	101.3	101.4	101.4	101.4	101.4	101.4	101.5	101.5	101.5
32.5	101.5	101.5	101.6	101.6	101.6	101.6	101.6	101.7	101.7	101.7
32.6	101.7	101.7	101.8	101.8	101.8	101.8	101.8	101.9	101.9	101.9
32.7	101.9	101.9	102.0	102.0	102.0	102.0	102.0	102.0	102.1	102.1
32.8	102.1	102.1	102.1	102.2	102.2	102.2	102.2	102.2	102.3	102.3
32.9	102.3	102.3	102.3	102.4	102.4	102.4	102.4	102.4	102.5	102.5
33.0	102.5	102.5	102.5	102.6	102.6	102.6	102.6	102.6	102.6	102.7
33.1	102.7	102.7	102.7	102.7	102.8	102.8	102.8	102.8	102.8	102.9
33.2	102.9	102.9	102.9	102.9	103.0	103.0	103.0	103.0	103.0	103.1
33.3	103.1	103.1	103.1	103.1	103.1	103.2	103.2	103.2	103.2	103.2
33.4	103.3	103.3	103.3	103.3	103.3	103.4	103.4	103.4	103.4	103.4
33.5	103.5	103.5	103.5	103.5	103.5	103.5	103.6	103.6	103.6	103.6
33.6	103.6	103.7	103.7	103.7	103.7	103.7	103.8	103.8	103.8	103.8
33.7	103.8	103.9	103.9	103.9	103.9	103.9	104.0	104.0	104.0	104.0
33.8	104.0	104.0	104.1	104.1	104.1	104.1	104.1	104.2	104.2	104.2
33.9	104.2	104.2	104.3	104.3	104.3	104.3	104.3	104.3	104.4	104.4
34.0	104.4	104.4	104.4	104.5	104.5	104.5	104.5	104.5	104.6	104.6
34.1	104.6	104.6	104.6	104.7	104.7	104.7	104.7	104.7	104.7	104.8
34.2	104.8	104.8	104.8	104.8	104.9	104.9	104.9	104.9	104.9	105.0
34.3	105.0	105.0	105.0	105.0	105.0	105.1	105.1	105.1	105.1	105.1
34.4	105.2	105.2	105.2	105.2	105.2	105.3	105.3	105.3	105.3	105.3
34.5	105.4	105.4	105.4	105.4	105.4	105.4	105.5	105.5	105.5	105.5
34.6	105.5	105.6	105.6	105.6	105.6	105.6	105.7	105.7	105.7	105.7
34.7	105.7	105.7	105.8	105.8	105.8	105.8	105.8	105.9	105.9	105.9
34.8	105.9	105.9	106.0	106.0	106.0	106.0	106.0	106.0	106.1	106.1
34.9	106.1	106.1	106.1	106.2	106.2	106.2	106.2	106.2	106.3	106.3

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TABLE 12F CORRECTION TO SOUND SPEED, V_0 (1449.1 m/sec), FOR SIMULTANEOUS CHANGES IN SALINITY, TEMPERATURE, AND PRESSURE, V_{stp} **0 METERS (1.03 kg/cm²)**

‰ \ °C	-4	-2	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
0.0	-1.6	-0.8	-0.0	0.8	1.6	2.4	3.1	3.9	4.7	5.5	6.3	7.1	7.9	8.6	9.4	10.2	11.0	11.8	12.6	13.4	14.1
0.5	-1.6	-0.8	-0.0	0.8	1.5	2.3	3.1	3.9	4.6	5.4	6.2	7.0	7.7	6.5	9.3	10.1	10.8	11.6	12.4	13.2	13.9
1.0	-1.5	-0.8	-0.0	0.8	1.5	2.3	3.1	3.8	4.6	5.3	6.1	6.9	7.6	8.4	9.2	9.9	10.7	11.4	12.2	13.0	13.7
1.5	-1.5	-0.8	-0.0	0.8	1.5	2.3	3.0	3.8	4.5	5.3	6.0	6.8	7.5	8.3	9.0	9.8	10.5	11.3	12.0	12.8	13.5
2.0	-1.5	-0.7	-0.0	0.7	1.5	2.2	3.0	3.7	4.4	5.2	5.9	6.7	7.4	8.1	8.9	9.6	10.4	11.1	11.8	12.6	13.3
2.5	-1.5	-0.7	-0.0	0.7	1.5	2.2	2.9	3.6	4.4	5.1	5.8	6.6	7.3	8.0	8.8	9.5	10.2	10.9	11.7	12.4	13.1
3.0	-1.4	-0.7	-0.0	0.7	1.4	2.2	2.9	3.6	4.3	5.0	5.7	6.5	7.2	7.9	8.6	9.3	10.1	10.8	11.5	12.2	12.9
3.5	-1.4	-0.7	-0.0	0.7	1.4	2.1	2.8	3.5	4.2	5.0	5.7	6.4	7.1	7.8	8.5	9.2	9.9	10.6	11.3	12.0	12.7
4.0	-1.4	-0.7	-0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.3	7.0	7.7	8.3	9.0	9.7	10.4	11.1	11.8	12.5
4.5	-1.4	-0.7	-0.0	0.7	1.4	2.1	2.7	3.4	4.1	4.8	5.5	6.2	6.8	7.5	8.2	8.9	9.6	10.3	11.0	11.6	12.3
5.0	-1.4	-0.7	-0.0	0.7	1.3	2.0	2.7	3.4	4.0	4.7	5.4	6.1	6.7	7.4	8.1	8.8	9.4	10.1	10.8	11.4	12.1
5.5	-1.3	-0.7	-0.0	0.7	1.3	2.0	2.6	3.3	4.0	4.6	5.3	6.0	6.6	7.3	7.9	8.6	9.3	9.9	10.6	11.3	11.9
6.0	-1.3	-0.7	-0.0	0.6	1.3	2.0	2.6	3.3	3.9	4.6	5.2	5.9	6.5	7.2	7.8	8.5	9.1	9.8	10.4	11.1	11.7
6.5	-1.3	-0.6	-0.0	0.6	1.3	1.9	2.6	3.2	3.8	4.5	5.1	5.8	6.4	7.0	7.7	8.3	9.0	9.6	10.2	10.9	11.5
7.0	-1.3	-0.6	-0.0	0.6	1.3	1.9	2.5	3.1	3.8	4.4	5.0	5.7	6.3	6.9	7.5	8.2	8.8	9.4	10.1	10.7	11.3
7.5	-1.2	-0.6	-0.0	0.6	1.2	1.9	2.5	3.1	3.7	4.3	4.9	5.6	6.2	6.8	7.4	8.0	8.6	9.3	9.9	10.5	11.1
8.0	-1.2	-0.6	-0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.5	6.1	6.7	7.3	7.9	8.5	9.1	9.7	10.3	10.9
8.5	-1.2	-0.6	-0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	5.9	6.5	7.1	7.7	8.3	8.9	9.5	10.1	10.7
9.0	-1.2	-0.6	-0.0	0.6	1.2	1.8	2.3	2.9	3.5	4.1	4.7	5.3	5.8	6.4	7.0	7.6	8.2	8.8	9.3	9.9	10.5
9.5	1.1	-0.6	-0.0	0.6	1.1	1.7	2.3	2.9	3.4	4.0	4.6	5.2	5.7	6.3	6.9	7.4	8.0	8.6	9.2	9.7	10.3
10.0	-1.1	-0.6	-0.0	0.6	1.1	1.7	2.2	2.8	3.4	3.9	4.5	5.1	5.6	6.2	6.7	7.3	7.9	8.4	9.0	9.5	10.1
10.5	-1.1	-0.6	-0.0	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.4	4.9	5.5	6.0	6.6	7.1	7.7	8.2	8.8	9.3	9.9
11.0	-1.1	-0.5	-0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.8	4.3	4.8	5.4	5.9	6.5	7.0	7.5	8.1	8.6	9.2	9.7
11.5	-1.1	-0.5	-0.0	0.5	1.1	1.6	2.1	2.6	3.2	3.7	4.2	4.7	5.3	5.8	6.4	6.9	7.4	7.9	8.4	9.0	9.5
12.0	-1.0	-0.5	-0.0	0.5	1.0	1.5	2.1	2.6	3.1	3.6	4.1	4.6	5.2	5.7	6.2	6.7	7.2	7.7	8.3	8.8	9.3
12.5	-1.0	-0.5	-0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1
13.0	-1.0	-0.5	-0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9
13.5	-1.0	-0.5	-0.0	0.5	1.0	1.4	1.9	2.4	2.9	3.4	3.9	4.3	4.8	5.3	5.8	6.3	6.8	7.2	7.7	8.2	8.7
14.0	-0.9	-0.5	-0.0	0.5	0.9	1.4	1.9	2.4	2.8	3.3	3.8	4.2	4.7	5.2	5.7	6.1	6.6	7.1	7.5	8.0	8.5
14.5	-0.9	-0.5	-0.0	0.5	0.9	1.4	1.8	2.3	2.8	3.2	3.7	4.1	4.6	5.1	5.5	6.0	6.4	6.9	7.4	7.8	8.3
15.0	-0.9	-0.5	-0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.6	4.0	4.5	4.9	5.4	5.8	6.3	6.7	7.2	7.6	8.1
15.5	-0.9	-0.4	-0.0	0.4	0.9	1.3	1.8	2.2	2.6	3.1	3.5	3.9	4.4	4.8	5.3	5.7	6.1	6.6	7.0	7.4	7.9
16.0	-0.9	-0.4	-0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.4	3.8	4.3	4.7	5.1	5.5	6.0	6.4	6.8	7.2	7.7
16.5	-0.8	-0.4	-0.0	0.4	0.8	1.2	1.7	2.1	[illegible]	2.9	3.3	3.7	4.2	4.6	5.0	5.4	5.8	6.2	6.6	7.1	7.5
17.0	-0.8	-0.4	-0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0	4.4	4.8	5.3	5.7	6.1	6.5	6.9	7.3
17.5	-0.8	-0.4	-0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.7	3.1	3.5	3.9	4.3	4.7	5.1	5.5	5.9	6.3	6.7	7.1
18.0	-0.8	-0.4	-0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.4	3.8	4.2	4.6	5.0	5.3	5.7	6.1	6.5	6.9
18.5	-0.7	-0.4	-0.0	0.4	0.7	1.1	1.5	1.9	2.2	2.6	3.0	3.3	3.7	4.1	4.4	4.8	5.2	5.6	5.9	6.3	6.7
19.0	-0.7	-0.4	-0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.5	2.9	3.2	3.6	4.0	4.3	4.7	5.0	5.4	5.7	6.1	6.5
19.5	-0.7	-0.3	-0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.5	3.8	4.2	4.5	4.9	5.2	5.6	5.9	6.3
20.0	-0.7	-0.3	-0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.4	2.7	3.0	3.4	3.7	4.0	4.4	4.7	5.1	5.4	5.7	6.1
20.5	-0.7	-0.3	-0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	2.9	3.3	3.6	3.9	4.2	4.6	4.9	5.2	5.5	5.9
21.0	-0.6	-0.3	-0.0	0.3	0.6	0.9	1.3	1.6	1.9	2.2	2.5	2.8	3.1	3.5	3.8	4.1	4.4	4.7	5.0	5.3	5.7
21.5	-0.6	-0.3	-0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.2	5.5

TABLE 12f CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR SIMULTANEOUS CHANGES IN SALINITY, TEMPERATURE, AND PRESSURE, V_{stp} – Continued

O METERS (1.03 kg/cm²)

‰ \ °C	-4	-2	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
22.0	-0.6	-0.3	-0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.0	2.3	2.6	2.9	3.2	3.5	3.8	4.1	4.4	4.7	5.0	5.3
22.5	-0.6	-0.3	-0.0	0.3	0.6	0.8	1.1	1.4	1.7	2.0	2.2	2.5	2.8	3.1	3.4	3.6	3.9	4.2	4.5	4.8	5.1
23.0	-0.5	-0.3	-0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.2	2.4	2.7	3.0	3.2	3.5	3.8	4.0	4.3	4.6	4.8
23.5	-0.5	-0.3	-0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.1	2.3	2.6	2.8	3.1	3.4	3.6	3.9	4.1	4.4	4.6
24.0	-0.5	-0.2	-0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	2.0	2.2	2.5	2.7	3.0	3.2	3.5	3.7	4.0	4.2	4.4
24.5	-0.5	-0.2	-0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.9	2.1	2.4	2.6	2.8	3.1	3.3	3.5	3.8	4.0	4.2
25.0	-0.4	-0.2	-0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.6	1.8	2.0	2.2	2.5	2.7	2.9	3.1	3.4	3.6	3.8	4.0
25.5	-0.4	-0.2	-0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.6	2.8	3.0	3.2	3.4	3.6	3.8
26.0	-0.4	-0.2	-0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6
26.5	-0.4	-0.2	-0.0	0.2	0.4	0.6	0.8	1.0	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.2	3.4
27.0	-0.4	-0.2	-0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.4	1.6	1.8	2.0	2.2	2.3	2.5	2.7	2.9	3.1	3.2
27.5	-0.3	-0.2	-0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.3	1.5	1.7	1.9	2.0	2.2	2.4	2.5	2.7	2.9	3.0
28.0	-0.3	-0.2	-0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.3	1.4	1.6	1.7	1.9	2.0	2.2	2.4	2.5	2.7	2.8
28.5	-0.3	-0.1	-0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.3	1.5	1.6	1.8	1.9	2.0	2.2	2.3	2.5	2.6
29.0	-0.3	-0.1	-0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.1	1.2	1.3	1.5	1.6	1.8	1.9	2.0	2.2	2.3	2.4
29.5	-0.2	-0.1	-0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.9	1.0	1.1	1.2	1.4	1.5	1.6	1.7	1.9	2.0	2.1	2.2
30.0	-0.2	-0.1	-0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.5	1.6	1.7	1.8	1.9	2.0
30.5	-0.2	-0.1	-0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8
31.0	-0.2	-0.1	-0.0	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6
31.5	-0.2	-0.1	-0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.9	0.9	1.0	1.1	1.2	1.3	1.3	1.4
32.0	-0.1	-0.1	-0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7	0.7	0.8	0.9	0.9	1.0	1.1	1.1	1.2
32.5	-0.1	-0.1	-0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0
33.0	-0.1	-0.0	-0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8
33.5	-0.1	-0.0	-0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6
34.0	-0.0	-0.0	-0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4
34.5	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
35.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.5	0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2
36.0	0.0	0.0	0.0	-0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3	-0.3	-0.3	-0.4	-0.4	-0.4
36.5	0.1	0.0	0.0	-0.0	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.3	-0.3	-0.3	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.6	-0.6
37.0	0.1	0.0	0.0	-0.0	-0.1	-0.1	-0.2	-0.2	-0.3	-0.3	-0.4	-0.4	-0.4	-0.5	-0.5	-0.6	-0.6	-0.7	-0.7	-0.8	-0.8
37.5	0.1	0.1	0.0	-0.1	-0.1	-0.2	-0.2	-0.3	-0.3	-0.4	-0.4	-0.5	-0.6	-0.6	-0.7	-0.7	-0.8	-0.8	-0.9	-0.9	-1.0
38.0	0.1	0.1	0.0	-0.1	-0.1	-0.2	-0.3	-0.3	-0.4	-0.5	-0.5	-0.6	-0.7	-0.7	-0.8	-0.9	-0.9	-1.0	-1.1	-1.1	-1.2
38.5	0.2	0.1	0.0	-0.1	-0.2	-0.2	-0.3	-0.4	-0.5	-0.6	-0.6	-0.7	-0.8	-0.9	-0.9	-1.0	-1.1	-1.2	-1.3	-1.3	-1.4
39.0	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.5	-0.6	-0.7	-0.8	-0.9	-1.0	-1.1	-1.2	-1.3	-1.3	-1.4	-1.5	-1.6
39.5	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6	-0.7	-0.8	-0.9	-1.0	-1.1	-1.2	-1.3	-1.4	-1.5	-1.6	-1.7	-1.8
40.0	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.5	-0.6	-0.7	-0.8	-0.9	-1.0	-1.1	-1.2	-1.3	-1.5	-1.6	-1.7	-1.8	-1.9	-2.0
40.5	0.2	0.1	0.0	-0.1	-0.2	-0.4	-0.5	-0.6	-0.7	-0.9	-1.0	-1.1	-1.2	-1.4	-1.5	-1.6	-1.7	-1.8	-2.0	-2.1	-2.2
41.0	0.3	0.1	0.0	-0.1	-0.3	-0.4	-0.5	-0.7	-0.8	-0.9	-1.1	-1.2	-1.3	-1.5	-1.6	-1.7	-1.9	-2.0	-2.2	-2.3	-2.4
41.5	0.3	0.1	0.0	-0.1	-0.3	-0.4	-0.6	-0.7	-0.9	-1.0	-1.2	-1.3	-1.5	-1.6	-1.8	-1.9	-2.0	-2.2	-2.3	-2.5	-2.6
42.0	0.3	0.2	0.0	-0.2	-0.3	-0.5	-0.6	-0.8	-0.9	-1.1	-1.3	-1.4	-1.6	-1.7	-1.9	-2.0	-2.2	-2.4	-2.5	-2.7	-2.8

TABLE 127 CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR SIMULTANEOUS CHANGES IN SALINITY, TEMPERATURE, AND PRESSURE, V_{stp} - Continued **500 METERS (52.47 kg/cm²)**

‰ \ °C	-4	-2	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
0.0	-1.7	-0.9	-0.1	0.6	1.4	2.2	3.0	3.7	4.5	5.3	6.1	6.9	7.7	8.5	9.3	10.1	10.9	11.8	12.6	13.4	14.2
0.5	-1.6	-0.9	-0.1	0.6	1.4	2.2	2.9	3.7	4.5	5.2	6.0	6.8	7.6	8.4	9.2	10.0	10.8	11.6	12.4	13.2	14.0
1.0	-1.6	-0.9	-0.1	0.6	1.4	2.1	2.9	3.6	4.4	5.2	5.9	6.7	7.5	8.3	9.0	9.8	10.6	11.4	12.2	13.0	13.8
1.5	-1.6	-0.9	-0.1	0.6	1.3	2.1	2.8	3.6	4.3	5.1	5.8	6.6	7.4	8.1	8.9	9.7	10.5	11.3	12.0	12.8	13.6
2.0	-1.6	-0.8	-0.1	0.6	1.3	2.1	2.8	3.5	4.3	5.0	5.8	6.5	7.3	8.0	8.8	9.5	10.3	11.1	11.9	12.7	13.4
2.5	-1.5	-0.8	-0.1	0.6	1.3	2.0	2.7	3.5	4.2	4.9	5.7	6.4	7.1	7.9	8.6	9.4	10.2	10.9	11.7	12.5	13.2
3.0	-1.5	-0.8	-0.1	0.6	1.3	7.0	2.7	3.4	4.1	4.9	5.6	6.3	7.0	7.8	8.5	9.3	10.0	10.8	11.5	12.3	13.0
3.5	-1.5	-0.8	-0.1	0.6	1.3	2.0	2.7	3.4	4.1	4.8	5.5	6.2	6.9	7.6	8.4	9.1	9.8	10.6	11.3	12.1	12.8
4.0	-1.5	-0.8	-0.1	0.6	1.2	1.9	2.6	3.3	4.0	4.7	5.4	6.1	6.8	7.5	8.2	9.0	9.7	10.4	11.2	11.9	12.6
4.5	-1.4	-0.8	-0.1	0.6	1.2	1.9	2.6	3.3	3.9	4.6	5.3	6.0	6.7	7.4	8.1	8.8	9.5	10.3	11.0	11.7	12.4
5.0	-1.4	-0.8	-0.1	0.5	1.2	1.9	2.5	3.2	3.9	4.5	5.2	5.9	6.6	7.3	8.0	8.7	9.4	10.1	10.8	11.5	12.2
5.5	-1.4	-0.7	-0.1	0.5	1.2	1.8	2.5	3.1	3.8	4.5	5.1	5.8	6.5	7.2	7.8	8.5	9.2	9.9	10.6	11.3	12.0
6.0	-1.4	-0.7	-0.1	0.5	1.2	1.8	2.4	3.1	3.7	4.4	5.0	5.7	6.4	7.0	7.7	8.4	9.1	9.8	10.4	11.1	11.8
6.5	-1.3	-0.7	-0.1	0.5	1.1	1.8	2.4	3.0	3.7	4.3	5.0	5.6	6.3	6.9	7.6	8.2	8.9	9.6	10.3	11.0	11.6
7.0	-1.3	-0.7	-0.1	0.5	1.1	1.7	2.4	3.0	3.6	4.2	4.9	5.5	6.2	6.8	7.4	8.1	8.8	9.4	10.1	10.8	11.4
7.5	-1.3	-0.7	-0.1	0.5	1.1	1.7	2.3	2.9	3.5	4.2	4.8	5.4	6.0	6.7	7.3	8.0	8.6	9.3	9.9	10.6	11.2
8.0	-1.3	-0.7	-0.1	0.5	1.1	1.7	2.3	2.9	3.5	4.1	4.7	5.3	5.9	6.6	7.2	7.8	8.5	9.1	9.7	10.4	11.0
8.5	-1.2	-0.7	-0.1	0.5	1.1	1.6	2.2	2.8	3.4	4.0	4.6	5.2	5.8	6.4	7.0	7.7	8.3	8.9	9.6	10.2	10.8
9.0	-1.2	-0.7	-0.1	0.5	1.0	1.6	2.2	2.8	3.3	3.9	4.5	5.1	5.7	6.3	6.9	7.5	8.1	8.8	9.4	10.0	10.6
9.5	-1.2	-0.6	-0.1	0.5	1.0	1.6	2.1	2.7	3.3	3.9	4.4	5.0	5.6	6.2	6.8	7.4	8.0	8.6	9.2	9.8	10.4
10.0	-1.2	-0.6	-0.1	0.5	1.0	1.5	2.1	2.7	3.2	3.8	4.3	4.9	5.5	6.1	6.7	7.2	7.8	8.4	9.0	9.6	10.2
10.5	-1.1	-0.6	-0.1	0.4	1.0	1.5	2.1	2.6	3.1	3.7	4.3	4.8	5.4	5.9	6.5	7.1	7.7	8.3	8.9	9.4	10.0
11.0	-1.1	-0.6	-0.1	0.4	1.0	1.5	2.0	2.5	3.1	3.6	4.2	4.7	5.3	5.8	6.4	7.0	7.5	8.1	8.7	9.3	9.8
11.5	-1.1	-0.6	-0.1	0.4	0.9	1.4	2.0	2.5	3.0	3.5	4.1	4.6	5.2	5.7	6.3	6.8	7.4	7.9	8.5	9.1	9.6
12.0	-1.1	-0.6	-0.1	0.4	0.9	1.4	1.9	2.4	3.0	3.5	4.0	4.5	5.0	5.6	6.1	6.7	7.2	7.8	8.3	8.9	9.4
12.5	-1.0	-0.6	-0.1	0.4	0.9	1.4	1.9	2.4	2.9	3.4	3.9	4.4	4.9	5.5	6.0	6.5	7.1	7.6	8.1	8.7	9.2
13.0	-1.0	-0.6	-0.1	0.4	0.9	1.4	1.8	2.3	2.8	3.3	3.8	4.3	4.8	5.3	5.9	6.4	6.9	7.4	8.0	8.5	9.0
13.5	-1.0	-0.5	-0.1	0.4	0.9	1.3	1.8	2.3	2.8	3.2	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.3	7.8	8.3	8.8
14.0	-1.0	-0.5	-0.1	0.4	0.8	1.3	1.8	2.2	2.7	3.2	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6
14.5	-0.9	-0.5	-0.1	0.4	0.8	1.3	1.7	2.2	2.6	3.1	3.6	4.0	4.5	5.0	5.5	5.9	6.4	6.9	7.4	7.9	8.4
15.0	-0.9	-0.5	-0.1	0.4	0.8	1.2	1.7	2.1	2.6	3.0	3.5	3.9	4.4	4.9	5.3	5.8	6.3	6.8	7.3	7.7	8.2
15.5	-0.9	-0.5	-0.1	0.3	0.8	1.2	1.6	2.1	2.5	2.9	3.4	3.8	4.3	4.7	5.2	5.7	6.1	6.6	7.1	7.6	8.0
16.0	-0.9	-0.5	-0.1	0.3	0.7	1.2	1.6	2.0	2.4	2.9	3.3	3.7	4.2	4.6	5.1	5.5	6.0	6.4	6.9	7.4	7.8
16.5	-0.9	-0.5	-0.1	0.3	0.7	1.1	1.5	1.9	2.4	2.8	3.2	3.6	4.1	4.5	4.9	5.4	5.8	6.3	6.7	7.2	7.6
17.0	-0.8	-0.4	-0.1	0.3	0.7	1.1	1.5	1.9	2.3	2.7	3.1	3.5	3.9	4.4	4.8	5.2	5.7	6.1	6.5	7.0	7.4
17.5	-0.8	-0.4	-0.1	0.3	0.7	1.1	1.5	1.8	2.2	2.6	3.0	3.4	3.8	4.2	4.7	5.1	5.5	5.9	6.4	6.8	7.2
18.0	-0.8	-0.4	-0.1	0.3	0.7	1.0	1.4	1.8	2.2	2.5	2.9	3.3	3.7	4.1	4.5	4.9	5.3	5.8	6.2	6.6	7.0
18.5	-0.8	-0.4	-0.1	0.3	0.6	1.0	1.4	1.7	2.1	2.5	2.8	3.2	3.6	4.0	4.4	4.8	5.2	5.6	6.0	6.4	6.8
19.0	-0.7	-0.4	-0.1	0.3	0.6	1.0	1.3	1.7	2.0	2.4	2.8	3.1	3.5	3.9	4.3	4.6	5.0	5.4	5.8	6.2	6.6
19.5	-0.7	-0.4	-0.1	0.3	0.6	0.9	1.3	1.6	2.0	2.3	2.7	3.0	3.4	3.8	4.1	4.5	4.9	5.3	5.7	6.0	6.4
20.0	-0.7	-0.4	-0.1	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.6	2.9	3.3	3.6	4.0	4.4	4.7	5.1	5.5	5.9	6.2
20.5	-0.7	-0.4	-0.1	0.3	0.6	0.9	1.2	1.5	1.8	2.2	2.5	2.8	3.2	3.5	3.9	4.2	4.6	4.9	5.3	5.7	6.0

TABLE 12F CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR SIMULTANEOUS CHANGES IN SALINITY, TEMPERATURE, AND PRESSURE, V_{stp} - Continued **500 METERS (52.47 kg/cm^2)**

‰ \ °C	-4	-2	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
21.0	-0.4	-0.3	-0.1	0.2	0.5	0.8	1.1	1.5	1.8	2.1	2.4	2.7	3.1	3.4	3.7	4.1	4.4	4.8	5.1	5.5	5.8
21.5	-0.4	-0.3	-0.0	0.2	0.5	0.8	1.1	1.4	1.7	2.0	2.3	2.6	2.9	3.3	3.6	3.9	4.3	4.6	4.9	5.3	5.6
22.0	-0.4	-0.3	-0.0	0.2	0.5	0.8	1.1	1.3	1.6	1.9	2.2	2.5	2.8	3.1	3.5	3.8	4.1	4.4	4.8	5.1	5.4
22.5	-0.4	-0.3	-0.0	0.2	0.5	0.7	1.0	1.3	1.6	1.9	2.1	2.4	2.7	3.0	3.3	3.6	4.0	4.3	4.6	4.9	5.2
23.0	-0.5	-0.3	-0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.8	2.1	2.3	2.6	2.9	3.2	3.5	3.8	4.1	4.4	4.7	5.0
23.5	-0.5	-0.3	-0.0	0.2	0.4	0.7	0.9	1.2	1.4	1.7	2.0	2.2	2.5	2.8	3.1	3.4	3.6	3.9	4.2	4.5	4.8
24.0	-0.5	-0.3	-0.0	0.2	0.4	0.7	0.9	1.1	1.4	1.6	1.9	2.1	2.4	2.7	2.9	3.2	3.5	3.8	4.1	4.3	4.6
24.5	-0.5	-0.3	-0.0	0.2	0.4	0.6	0.8	1.1	1.3	1.5	1.8	2.0	2.3	2.5	2.8	3.1	3.3	3.6	3.9	4.2	4.4
25.0	-0.4	-0.2	-0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.7	1.9	2.2	2.4	2.7	2.9	3.2	3.4	3.7	4.0	4.2
25.5	-0.4	-0.2	-0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.1	2.3	2.5	2.8	3.0	3.3	3.5	3.8	4.0
26.0	-0.4	-0.2	-0.0	0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	1.7	2.0	2.2	2.4	2.6	2.9	3.1	3.3	3.6	3.8
26.5	-0.4	-0.2	-0.0	0.1	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.6	1.8	2.1	2.3	2.5	2.7	2.9	3.2	3.4	3.6
27.0	-0.3	-0.2	-0.0	0.1	0.3	0.5	0.6	0.8	1.0	1.2	1.4	1.5	1.7	1.9	2.1	2.3	2.6	2.8	3.0	3.2	3.4
27.5	-0.3	-0.2	-0.0	0.1	0.3	0.4	0.6	0.8	0.9	1.1	1.3	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2
28.0	-0.3	-0.2	-0.0	0.1	0.3	0.4	0.5	0.7	0.9	1.0	1.2	1.3	1.5	1.7	1.9	2.1	2.2	2.4	2.6	2.8	3.0
28.5	-0.3	-0.1	-0.0	0.1	0.2	0.4	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.6	1.7	1.9	2.1	2.3	2.5	2.7	2.8
29.0	-0.2	-0.1	-0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.9	1.0	1.1	1.3	1.4	1.6	1.8	1.9	2.1	2.3	2.5	2.6
29.5	-0.2	-0.1	-0.0	0.1	0.2	0.3	0.4	0.5	0.7	0.8	0.9	1.0	1.2	1.3	1.5	1.6	1.8	1.9	2.1	2.3	2.4
30.0	-0.2	-0.1	-0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.1	1.2	1.3	1.5	1.6	1.8	1.9	2.1	2.2
30.5	-0.2	-0.1	-0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2	1.3	1.5	1.6	1.7	1.9	2.0
31.0	-0.1	-0.1	-0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.9	1.0	1.1	1.2	1.3	1.4	1.6	1.7	1.8
31.5	-0.1	-0.1	-0.0	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.8	0.9	1.0	1.2	1.3	1.4	1.5	1.6
32.0	-0.1	-0.1	-0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4
32.5	-0.1	-0.0	-0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.6	0.7	0.8	0.8	0.9	1.0	1.1	1.2
33.0	-0.0	-0.0	-0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.7	0.8	0.9	1.0	1.0
33.5	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.7	0.8	0.8
34.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.6	0.6
34.5	0.0	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4
35.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	-0.0	-0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2
35.5	0.1	0.0	0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	0.0	0.0
36.0	0.1	0.0	0.0	-0.0	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3	-0.3	-0.3	-0.2	-0.2	-0.2	-0.2	-0.2
36.5	0.1	0.1	0.0	-0.0	-0.1	-0.1	-0.2	-0.2	-0.3	-0.3	-0.3	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
37.0	0.1	0.1	0.0	-0.1	-0.1	-0.2	-0.2	-0.3	-0.3	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6
37.5	0.2	0.1	0.0	-0.1	-0.1	-0.2	-0.3	-0.3	-0.4	-0.4	-0.5	-0.5	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.8
38.0	0.2	0.1	0.0	-0.1	-0.2	-0.2	-0.3	-0.4	-0.5	-0.5	-0.6	-0.6	-0.7	-0.7	-0.8	-0.8	-0.9	-0.9	-0.9	-0.9	-1.0
38.5	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.4	-0.5	-0.6	-0.7	-0.7	-0.8	-0.9	-0.9	-1.0	-1.0	-1.1	-1.1	-1.1	-1.2
39.0	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6	-0.7	-0.8	-0.8	-0.9	-1.0	-1.1	-1.1	-1.2	-1.2	-1.3	-1.3	-1.4
39.5	0.3	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.6	-0.7	-0.8	-0.8	-0.9	-1.0	-1.1	-1.2	-1.3	-1.3	-1.4	-1.4	-1.5	-1.6
40.0	0.3	0.2	0.0	-0.1	-0.2	-0.4	-0.5	-0.6	-0.7	-0.8	-0.9	-1.0	-1.1	-1.2	-1.3	-1.4	-1.5	-1.6	-1.6	-1.7	-1.8
40.5	0.3	0.2	0.0	-0.1	-0.3	-0.4	-0.5	-0.7	-0.8	-0.9	-1.0	-1.1	-1.2	-1.4	-1.5	-1.5	-1.6	-1.7	-1.8	-1.9	-2.0
41.0	0.3	0.2	0.0	-0.1	-0.3	-0.4	-0.6	-0.7	-0.9	-1.0	-1.1	-1.2	-1.4	-1.5	-1.6	-1.7	-1.8	-1.9	-2.0	-2.1	-2.2
41.5	0.4	0.2	0.0	-0.1	-0.3	-0.5	-0.6	-0.8	-0.9	-1.1	-1.2	-1.3	-1.5	-1.6	-1.7	-1.8	-1.9	-2.1	-2.2	-2.3	-2.4
42.0	0.4	0.2	0.0	-0.2	-0.3	-0.5	-0.7	-0.8	-1.0	-1.1	-1.3	-1.4	-1.6	-1.7	-1.8	-2.0	-2.1	-2.2	-2.3	-2.4	-2.6

TABLE 12F CORRECTION TO SOUND SPEED, V_0 (1449.1 m/sec), FOR SIMULTANEOUS CHANGES IN SALINITY, TEMPERATURE, AND PRESSURE, V_{stp} - Continued

1000 METERS (104.09 kg/cm^2)

‰ \ °C	-4	-2	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
0.0	-1.7	-1.0	-0.2	0.5	1.3	2.0	2.8	3.6	4.3	5.1	5.9	6.7	7.5	8.4	9.2	10.0	10.9	11.7	12.6	13.5	14.3
0.5	-1.7	-1.0	-0.2	0.5	1.2	2.0	2.7	3.5	4.3	5.1	5.8	6.6	7.4	8.2	9.0	9.9	10.7	11.6	12.4	13.3	14.1
1.0	-1.7	-0.9	-0.2	0.5	1.2	2.0	2.7	3.5	4.2	5.0	5.7	6.5	7.3	8.1	8.9	9.7	10.6	11.4	12.2	13.1	13.9
1.5	-1.6	-0.9	-0.2	0.5	1.2	1.9	2.7	3.4	4.1	4.9	5.7	6.4	7.2	8.0	8.8	9.6	10.4	11.2	12.1	12.9	13.7
2.0	-1.6	-0.9	-0.2	0.5	1.2	1.9	2.6	3.3	4.1	4.8	5.6	6.3	7.1	7.9	8.7	9.4	10.2	11.0	11.9	12.7	13.5
2.5	-1.6	-0.9	-0.2	0.5	1.2	1.9	2.6	3.3	4.0	4.8	5.5	6.2	7.0	7.8	8.5	9.3	10.1	10.9	11.7	12.5	13.3
3.0	-1.5	-0.9	-0.2	0.5	1.2	1.8	2.5	3.2	4.0	4.7	5.4	6.1	6.9	7.6	8.4	9.2	9.9	10.7	11.5	12.3	13.1
3.5	-1.5	-0.9	-0.2	0.5	1.1	1.8	2.5	3.2	3.9	4.6	5.3	6.0	6.8	7.5	8.3	9.0	9.8	10.6	11.3	12.1	13.0
4.0	-1.5	-0.9	-0.2	0.5	1.1	1.8	2.5	3.1	3.8	4.5	5.2	5.9	6.7	7.4	8.1	8.9	9.6	10.4	11.2	12.0	12.8
4.5	-1.5	-0.8	-0.2	0.4	1.1	1.8	2.4	3.1	3.8	4.4	5.1	5.8	6.6	7.3	8.0	8.7	9.5	10.2	11.0	11.8	12.6
5.0	-1.4	-0.8	-0.2	0.4	1.1	1.7	2.4	3.0	3.7	4.4	5.1	5.7	6.4	7.2	7.9	8.6	9.3	10.1	10.8	11.6	12.4
5.5	-1.4	-0.8	-0.2	0.4	1.1	1.7	2.3	3.0	3.6	4.3	5.0	5.6	6.3	7.0	7.7	8.5	9.2	9.9	10.6	11.4	12.2
6.0	-1.4	-0.8	-0.2	0.4	1.0	1.7	2.3	2.9	3.6	4.2	4.9	5.6	6.2	6.9	7.6	8.3	9.0	9.7	10.5	11.2	12.0
6.5	-1.4	-0.8	-0.2	0.4	1.0	1.6	2.2	2.9	3.5	4.1	4.8	5.5	6.1	6.8	7.5	8.2	8.9	9.6	10.3	11.0	11.6
7.0	-1.3	-0.8	-0.2	0.4	1.0	1.6	2.2	2.8	3.4	4.1	4.7	5.4	6.0	6.7	7.3	8.0	8.7	9.4	10.1	10.8	11.6
7.5	-1.3	-0.8	-0.2	0.4	1.0	1.6	2.2	2.8	3.4	4.0	4.6	5.3	5.9	6.6	7.2	7.9	8.6	9.2	9.9	10.6	11.4
8.0	-1.3	-0.7	-0.2	0.4	1.0	1.5	2.1	2.7	3.3	3.9	4.5	5.2	5.8	6.4	7.1	7.7	8.4	9.1	9.8	10.5	11.2
8.5	-1.3	-0.7	-0.2	0.4	0.9	1.5	2.1	2.7	3.3	3.8	4.5	5.1	5.7	6.3	6.9	7.6	8.3	8.9	9.6	10.3	11.0
9.0	-1.2	-0.7	-0.2	0.4	0.9	1.5	2.0	2.6	3.2	3.8	4.4	5.0	5.6	6.2	6.8	7.5	8.1	8.8	9.4	10.1	10.6
9.5	-1.2	-0.7	-0.2	0.4	0.9	1.4	2.0	2.6	3.1	3.7	4.3	4.9	5.5	6.1	6.7	7.3	7.9	8.6	9.2	9.9	10.6
10.0	-1.2	-0.7	-0.2	0.4	0.9	1.4	2.0	2.5	3.1	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.9	8.4	9.1	9.7	10.4
10.5	-1.2	-0.7	-0.2	0.3	0.9	1.4	1.9	2.5	3.0	3.5	4.1	4.7	5.2	5.8	6.4	7.0	7.6	8.3	8.9	9.5	10.2
11.0	-1.1	-0.7	-0.2	0.3	0.8	1.4	1.9	2.4	2.9	3.5	4.0	4.6	5.1	5.7	6.3	6.9	7.5	8.1	8.7	9.3	10.0
11.5	-1.1	-0.6	-0.2	0.3	0.8	1.3	1.8	2.3	2.9	3.4	3.9	4.5	5.0	5.6	6.2	6.7	7.3	7.9	8.5	9.1	9.8
12.0	-1.1	-0.6	-0.2	0.3	0.8	1.3	1.8	2.3	2.8	3.3	3.8	4.4	4.9	5.5	6.0	6.6	7.2	7.8	8.4	9.0	9.6
12.5	-1.1	-0.6	-0.1	0.3	0.8	1.3	1.7	2.2	2.7	3.2	3.8	4.3	4.8	5.4	5.9	6.5	7.0	7.6	8.2	8.8	9.4
13.0	-1.0	-0.6	-0.1	0.3	0.8	1.2	1.7	2.2	2.7	3.2	3.7	4.2	4.7	5.2	5.8	6.3	6.9	7.4	8.0	8.6	9.2
13.5	-1.0	-0.6	-0.1	0.3	0.7	1.2	1.7	2.1	2.6	3.1	3.6	4.1	4.6	5.1	5.6	6.2	6.7	7.3	7.8	8.4	9.0
14.0	-1.0	-0.6	-0.1	0.3	0.7	1.2	1.6	2.1	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.6	7.1	7.7	8.2	8.8
14.5	-1.0	-0.5	-0.1	0.3	0.7	1.1	1.6	2.0	2.5	2.9	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.5	8.0	8.6
15.0	-0.9	-0.5	-0.1	0.3	0.7	1.1	1.5	2.0	2.4	2.9	3.3	3.8	4.3	4.8	5.2	5.7	6.3	6.8	7.3	7.8	8.4
15.5	-0.9	-0.5	-0.1	0.3	0.7	1.1	1.5	1.9	2.4	2.8	3.2	3.7	4.2	4.6	5.1	5.6	6.1	6.6	7.1	7.7	8.2
16.0	-0.9	-0.5	-0.1	0.3	0.7	1.1	1.5	1.9	2.3	2.7	3.2	3.6	4.0	4.5	5.0	5.5	5.9	6.4	6.9	7.5	8.0
16.5	-0.9	-0.5	-0.1	0.3	0.6	1.0	1.4	1.8	2.2	2.6	3.1	3.5	3.9	4.4	4.8	5.3	5.8	6.3	6.8	7.3	7.8
17.0	-0.8	-0.5	-0.1	0.2	0.6	1.0	1.4	1.8	2.2	2.6	3.0	3.4	3.8	4.3	4.7	5.2	5.6	6.1	6.6	7.1	7.6
17.5	-0.8	-0.5	-0.1	0.2	0.6	1.0	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1	4.6	5.0	5.5	5.9	6.4	6.9	7.4
18.0	-0.8	-0.4	-0.1	0.2	0.6	0.9	1.3	1.7	2.0	2.4	2.8	3.2	3.6	4.0	4.5	4.9	5.3	5.8	6.2	6.7	7.2
18.5	-0.7	-0.4	-0.1	0.2	0.6	0.9	1.2	1.6	2.0	2.3	2.7	3.1	3.5	3.9	4.3	4.7	5.2	5.6	6.1	6.5	7.0
19.0	-0.7	-0.4	-0.1	0.2	0.5	0.9	1.2	1.6	1.9	2.3	2.6	3.0	3.4	3.8	4.2	4.6	5.0	5.5	5.9	6.3	6.8
19.5	-0.7	-0.4	-0.1	0.2	0.5	0.8	1.2	1.5	1.8	2.2	2.5	2.9	3.3	3.7	4.1	4.5	4.9	5.3	5.7	6.2	6.6
20.0	-0.7	-0.4	-0.1	0.2	0.5	0.8	1.1	1.4	1.8	2.1	2.5	2.8	3.2	3.5	3.9	4.3	4.7	5.1	5.5	6.0	6.4
20.5	-0.6	-0.4	-0.1	0.2	0.5	0.8	1.1	1.4	1.7	2.0	2.4	2.7	3.1	3.4	3.8	4.2	4.6	5.0	5.4	5.8	6.2
21.0	-0.6	-0.4	-0.1	0.2	0.5	0.7	1.0	1.3	1.6	2.0	2.3	2.6	3.0	3.3	3.7	4.0	4.4	4.8	5.2	5.5	6.0
21.5	-0.6	-0.3	-0.1	0.2	0.4	0.7	1.0	1.3	1.6	1.9	2.2	2.5	2.9	3.2	3.5	3.9	4.3	4.6	5.0	5.4	5.8

TABLE 12F CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR SIMULTANEOUS CHANGES IN SALINITY, TEMPERATURE, AND PRESSURE, V_{stp} – Continued **1000 METERS (104.09 kg/cm²)**

‰ \ °C	-4	-2	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
22.0	-0.6	-0.3	-0.1	0.2	0.4	0.7	1.0	1.2	1.5	1.8	2.1	2.4	2.7	3.1	3.4	3.7	4.1	4.5	4.8	5.2	5.6
22.5	-0.5	-0.3	-0.1	0.2	0.4	0.7	0.9	1.2	1.5	1.7	2.0	2.3	2.6	2.9	3.3	3.6	3.9	4.3	4.7	5.0	5.4
23.0	-0.5	-0.3	-0.1	0.1	0.4	0.6	0.9	1.1	1.4	1.7	1.9	2.2	2.5	2.8	3.1	3.5	3.8	4.1	4.5	4.8	5.2
23.5	-0.5	-0.3	-0.1	0.1	0.4	0.6	0.8	1.1	1.3	1.6	1.9	2.1	2.4	2.7	3.0	3.3	3.6	4.0	4.3	4.7	5.0
24.0	-0.5	-0.3	-0.1	0.1	0.3	0.6	0.8	1.0	1.3	1.5	1.8	2.0	2.3	2.6	2.9	3.2	3.5	3.8	4.1	4.5	4.8
24.5	-0.4	-0.3	-0.1	0.1	0.3	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.2	2.5	2.7	3.0	3.3	3.6	4.0	4.3	4.6
25.0	-0.4	-0.2	-0.1	0.1	0.3	0.5	0.7	0.9	1.1	1.4	1.6	1.8	2.1	2.3	2.6	2.9	3.2	3.5	3.8	4.1	4.4
25.5	-0.4	-0.2	-0.1	0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	1.7	2.0	2.2	2.5	2.7	3.0	3.3	3.6	3.9	4.2
26.0	-0.4	-0.2	-0.1	0.1	0.3	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.9	2.1	2.4	2.6	2.9	3.1	3.4	3.7	4.0
26.5	-0.3	-0.2	-0.1	0.1	0.2	0.4	0.6	0.8	0.9	1.1	1.3	1.5	1.8	2.0	2.2	2.5	2.7	3.0	3.3	3.5	3.8
27.0	-0.3	-0.2	-0.1	0.1	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.4	1.7	1.9	2.1	2.3	2.6	2.8	3.1	3.3	3.6
27.5	-0.3	-0.2	-0.0	0.1	0.2	0.4	0.5	0.7	0.8	1.0	1.2	1.3	1.5	1.7	2.0	2.2	2.4	2.6	2.9	3.2	3.4
28.0	-0.3	-0.2	-0.0	0.1	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.3	1.4	1.6	1.8	2.0	2.3	2.5	2.7	3.0	3.2
28.5	-0.2	-0.1	-0.0	0.1	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.2	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.8	3.0
29.0	-0.2	-0.1	-0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.6	1.8	1.9	2.2	2.4	2.6	2.8
29.5	-0.2	-0.1	-0.0	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.3	1.4	1.6	1.8	2.0	2.2	2.4	2.6
30.0	-0.2	-0.1	-0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.9	1.0	1.1	1.3	1.5	1.6	1.8	2.0	2.2	2.4
30.5	-0.1	-0.1	-0.0	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.2	1.3	1.5	1.7	1.8	2.0	2.2
31.0	-0.1	-0.1	-0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.3	1.5	1.7	1.8	2.0
31.5	-0.1	-0.1	-0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.3	1.5	1.7	1.8
32.0	-0.1	-0.0	-0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.3	1.5	1.6
32.5	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.8	0.9	1.0	1.1	1.3	1.4
33.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2
33.5	0.0	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
34.0	0.1	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8
34.5	0.1	0.0	-0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	-0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6
35.0	0.1	0.0	0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	0.0	0.1	0.2	0.3	0.3	0.5
35.5	0.1	0.1	0.0	-0.0	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1	-0.0	0.0	0.1	0.2	0.3
36.0	0.2	0.1	0.0	-0.1	-0.1	-0.2	-0.2	-0.2	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.2	-0.2	-0.2	-0.1	-0.0	0.1
36.5	0.2	0.1	0.0	-0.1	-0.1	-0.2	-0.2	-0.3	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.3	-0.2	-0.1
37.0	0.2	0.1	0.0	-0.1	-0.2	-0.2	-0.3	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.4	-0.4	-0.3
37.5	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.3	-0.4	-0.5	-0.5	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.6	-0.6	-0.6	-0.5
38.0	0.3	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.5	-0.6	-0.7	-0.7	-0.7	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.7
38.5	0.3	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6	-0.7	-0.7	-0.8	-0.9	-0.9	-0.9	-1.0	-1.0	-1.0	-1.0	-1.0	-0.9
39.0	0.3	0.2	0.0	-0.1	-0.2	-0.3	-0.5	-0.6	-0.7	-0.7	-0.8	-0.9	-1.0	-1.0	-1.1	-1.1	-1.1	-1.1	-1.2	-1.1	-1.1
39.5	0.3	0.2	0.0	-0.1	-0.2	-0.4	-0.5	-0.6	-0.7	-0.8	-0.9	-1.0	-1.1	-1.1	-1.2	-1.2	-1.3	-1.3	-1.3	-1.3	-1.3
40.0	0.4	0.2	0.0	-0.1	-0.3	-0.4	-0.5	-0.7	-0.8	-0.9	-1.0	-1.1	-1.2	-1.3	-1.3	-1.4	-1.4	-1.5	-1.5	-1.5	-1.5
40.5	0.4	0.2	0.0	-0.1	-0.3	-0.4	-0.6	-0.7	-0.8	-1.0	-1.1	-1.2	-1.3	-1.4	-1.5	-1.5	-1.6	-1.6	-1.7	-1.7	-1.7
41.0	0.4	0.2	0.0	-0.1	-0.3	-0.5	-0.6	-0.8	-0.9	-1.0	-1.2	-1.3	-1.4	-1.5	-1.6	-1.7	-1.7	-1.8	-1.9	-1.9	-1.9
41.5	0.4	0.2	0.0	-0.1	-0.3	-0.5	-0.7	-0.8	-1.0	-1.1	-1.3	-1.4	-1.5	-1.6	-1.7	-1.8	-1.9	-2.0	-2.0	-2.1	-2.1
42.0	0.5	0.3	0.0	-0.2	-0.3	-0.5	-0.7	-0.9	-1.0	-1.2	-1.3	-1.5	-1.6	-1.7	-1.8	-2.0	-2.0	-2.1	-2.2	-2.3	-2.3

TABLE 12F CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec). FOR SIMULTANEOUS CHANGES IN SALINITY, TEMPERATURE, AND PRESSURE, V_{stp} - Continued **1500 METERS (155.81 kg/cm²)**

‰ \ °C	-4	-2	0	2	4	6	8	10	12	14	16	18	20	22	24	26
0.0	-1.7	-1.0	-0.3	0.4	1.1	1.9	2.6	3.4	4.2	4.9	5.7	6.5	7.4	6.2	9.0	9.9
0.5	-1.7	-1.0	-0.3	0.4	1.1	1.8	2.6	3.3	4.1	4.9	5.7	6.5	7.3	8.1	8.9	9.8
1.0	-1.7	-1.0	-0.3	0.4	1.1	1.8	2.5	3.3	4.0	4.8	5.6	6.4	7.2	8.0	8.8	9.6
1.5	-1.6	-1.0	-0.3	0.4	1.1	1.8	2.5	3.2	4.0	4.7	5.5	6.3	7.0	7.8	8.7	9.5
2.0	-1.6	-1.0	-0.3	0.4	1.1	1.8	2.5	3.2	3.9	4.6	5.4	6.2	6.9	7.7	8.5	9.3
2.5	-1.6	-0.9	-0.3	0.4	1.0	1.7	2.4	3.1	3.8	4.6	5.3	6.1	6.8	7.6	8.4	9.2
3.0	-1.6	-0.9	-0.3	0.4	1.0	1.7	2.4	3.1	3.8	4.5	5.2	6.0	6.7	7.5	8.3	9.1
3.5	-1.5	-0.9	-0.3	0.4	1.0	1.7	2.3	3.0	3.7	4.4	5.1	5.9	6.6	7.4	8.1	8.9
4.0	-1.5	-0.9	-0.3	0.4	1.0	1.6	2.3	3.0	3.7	4.4	5.1	5.8	6.5	7.2	8.0	8.8
4.5	-1.5	-0.9	-0.3	0.3	1.0	1.6	2.3	2.9	3.6	4.3	5.0	5.7	6.4	7.1	7.9	8.6
5.0	-1.5	-0.9	-0.3	0.3	1.0	1.6	2.2	2.9	3.5	4.2	4.9	5.6	6.3	7.0	7.7	8.5
5.5	-1.4	-0.8	-0.3	0.3	0.9	1.6	2.2	2.8	3.5	4.1	4.8	5.5	6.2	6.9	7.6	8.3
6.0	-1.4	-0.8	-0.3	0.3	0.9	1.5	2.1	2.8	3.4	4.1	4.7	5.4	6.1	6.8	7.5	8.2
6.5	-1.4	-0.8	-0.3	0.3	0.9	1.5	2.1	2.7	3.3	4.0	4.6	5.3	6.0	6.7	7.4	8.1
7.0	-1.3	-0.8	-0.2	0.3	0.9	1.5	2.1	2.7	3.3	3.9	4.5	5.2	5.9	6.5	7.2	7.9
7.5	-1.3	-0.8	-0.2	0.3	0.9	1.4	2.0	2.6	3.2	3.8	4.5	5.1	5.7	6.4	7.1	7.8
8.0	-1.3	-0.8	-0.2	0.3	0.9	1.4	2.0	2.6	3.2	3.8	4.4	5.0	5.6	6.3	7.0	7.6
8.5	-1.3	-0.8	-0.2	0.3	0.8	1.4	1.9	2.5	3.1	3.7	4.3	4.9	5.5	6.2	6.8	7.5
9.0	-1.2	-0.7	-0.2	0.3	0.8	1.4	1.9	2.5	3.0	3.6	4.2	4.8	5.4	6.1	6.7	7.4
9.5	-1.2	-0.7	-0.2	0.3	0.8	1.3	1.9	2.4	3.0	3.5	4.1	4.7	5.3	5.9	6.6	7.2
10.0	-1.2	-0.7	-0.2	0.3	0.8	1.3	1.8	2.4	2.9	3.5	4.0	4.6	5.2	5.8	6.4	7.1
10.5	-1.2	-0.7	-0.2	0.3	0.8	1.3	1.8	2.3	2.8	3.4	3.9	4.5	5.1	5.7	6.3	6.9
11.0	-1.1	-0.7	-0.2	0.3	0.7	1.2	1.7	2.3	2.8	3.3	3.9	4.4	5.0	5.6	6.2	6.8
11.5	-1.1	-0.7	-0.2	0.3	0.7	1.2	1.7	2.2	2.7	3.2	3.8	4.3	4.9	5.5	6.1	6.7
12.0	-1.1	-0.6	-0.2	0.2	0.7	1.2	1.7	2.1	2.7	3.2	3.7	4.2	4.8	5.3	5.9	6.5
12.5	-1.0	-0.6	-0.2	0.2	0.7	1.1	1.6	2.1	2.6	3.1	3.6	4.1	4.7	5.2	5.8	6.4
13.0	-1.0	-0.6	-0.2	0.2	0.7	1.1	1.6	2.0	2.5	3.0	3.5	4.0	4.6	5.1	5.7	6.2
13.5	-1.0	-0.6	-0.2	0.2	0.7	1.1	1.5	2.0	2.5	2.9	3.4	3.9	4.5	5.0	5.5	6.1
14.0	-1.0	-0.6	-0.2	0.2	0.6	1.1	1.5	1.9	2.4	2.9	3.3	3.8	4.3	4.9	5.4	5.9
14.5	-0.9	-0.6	-0.2	0.2	0.6	1.0	1.5	1.9	2.3	2.8	3.3	3.7	4.2	4.7	5.3	5.8
15.0	-0.9	-0.6	-0.2	0.2	0.6	1.0	1.4	1.8	2.3	2.7	3.2	3.6	4.1	4.6	5.1	5.7
15.5	-0.9	-0.5	-0.2	0.2	0.6	1.0	1.4	1.8	2.2	2.6	3.1	3.6	4.0	4.5	5.0	5.5
16.0	-0.9	-0.5	-0.2	0.2	0.6	0.9	1.3	1.7	2.1	2.6	3.0	3.5	3.9	4.4	4.9	5.4
16.5	-0.8	-0.5	-0.2	0.2	0.5	0.9	1.3	1.7	2.1	2.5	2.9	3.4	3.8	4.3	4.7	5.2
17.0	-0.8	-0.5	-0.2	0.2	0.5	0.9	1.3	1.6	2.0	2.4	2.8	3.3	3.7	4.2	4.6	5.1
17.5	-0.8	-0.5	-0.2	0.2	0.5	0.9	1.2	1.6	2.0	2.3	2.8	3.2	3.6	4.0	4.5	5.0
18.0	-0.8	-0.5	-0.2	0.2	0.5	0.8	1.2	1.5	1.9	2.3	2.7	3.1	3.5	3.9	4.4	4.8
18.5	-0.7	-0.4	-0.1	0.2	0.5	0.8	1.1	1.5	1.8	2.2	2.6	3.0	3.4	3.8	4.2	4.7
19.0	-0.7	-0.4	-0.1	0.2	0.5	0.8	1.1	1.4	1.8	2.1	2.5	2.9	3.3	3.7	4.1	4.5
19.5	-0.7	-0.4	-0.1	0.1	0.4	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.2	3.6	4.0	4.4
20.0	-0.6	-0.4	-0.1	0.1	0.4	0.7	1.0	1.3	1.6	2.0	2.3	2.7	3.1	3.4	3.8	4.2
20.5	-0.6	-0.4	-0.1	0.1	0.4	0.7	1.0	1.3	1.6	1.9	2.2	2.6	2.9	3.3	3.7	4.1
21.0	-0.6	-0.4	-0.1	0.1	0.4	0.6	0.9	1.2	1.5	1.8	2.2	2.5	2.8	3.2	3.6	4.0
21.5	-0.6	-0.3	-0.1	0.1	0.4	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.1	3.4	3.8

TABLE 12F CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec). FOR SIMULTANEOUS CHANGES IN SALINITY, TEMPERATURE, AND PRESSURE, V_{stp} - Continued

1500 METERS (155.81 kg/cm²)

‰ \ °C	-4	-2	0	2	4	6	8	10	12	14	16	18	20	22	24	26
22.0	-0.5	-0.3	-0.1	0.1	0.3	0.6	0.8	1.1	1.4	1.7	2.0	2.3	2.6	3.0	3.3	3.7
22.5	-0.5	-0.3	-0.1	0.1	0.3	0.6	0.8	1.1	1.3	1.6	1.9	2.2	2.5	2.8	3.2	3.5
23.0	-0.5	-0.3	-0.1	0.1	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.1	2.4	2.7	3.1	3.4
23.5	-0.5	-0.3	-0.1	0.1	0.3	0.5	0.7	1.0	1.2	1.5	1.7	2.0	2.3	2.6	2.9	3.3
24.0	-0.4	-0.3	-0.1	0.1	0.3	0.5	0.7	0.9	1.1	1.4	1.6	1.9	2.2	2.5	2.8	3.1
24.5	-0.4	-0.3	-0.1	0.1	0.3	0.4	0.6	0.9	1.1	1.3	1.6	1.8	2.1	2.4	2.7	3.0
25.0	-0.4	-0.2	-0.1	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.7	2.0	2.3	2.5	2.8
25.5	-0.3	-0.2	-0.1	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.9	2.1	2.4	2.7
26.0	-0.3	-0.2	-0.1	0.1	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.8	2.0	2.3	2.6
26.5	-0.3	-0.2	-0.1	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.4	1.7	1.9	2.1	2.4
27.0	-0.3	-0.2	-0.1	0.0	0.2	0.3	0.4	0.6	0.8	0.9	1.1	1.3	1.5	1.8	2.0	2.3
27.5	-0.2	-0.2	-0.1	0.0	0.1	0.3	0.4	0.5	0.7	0.9	1.0	1.2	1.4	1.7	1.9	2.1
28.0	-0.2	-0.1	-0.1	0.0	0.1	0.2	0.4	0.5	0.6	0.8	1.0	1.1	1.3	1.5	1.8	2.0
28.5	-0.2	-0.1	-0.1	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.4	1.6	1.8
29.0	-0.2	-0.1	-0.1	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.1	1.3	1.5	1.7
29.5	-0.1	-0.1	-0.0	0.0	0.1	0.2	0.2	0.3	0.4	0.6	0.7	0.8	1.0	1.2	1.4	1.6
30.0	-0.1	-0.1	-0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.1	1.2	1.4
30.5	-0.1	-0.1	-0.0	-0.0	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.7	0.8	0.9	1.1	1.3
31.0	-0.1	-0.0	-0.0	-0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.6	0.7	0.8	1.0	1.1
31.5	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	1.0
32.0	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.9
32.5	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.7
33.0	0.1	0.0	-0.0	-0.0	-0.1	-0.1	-0.0	-0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.5	0.6
33.5	0.1	0.0	-0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	0.0	0.1	0.1	0.2	0.3	0.4
34.0	0.1	0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	0.0	0.1	0.2	0.3
34.5	0.1	0.1	-0.0	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1	-0.1	-0.0	0.1	0.2
35.0	0.2	0.1	0.0	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1	0.0
35.5	0.2	0.1	0.0	-0.1	-0.1	-0.2	-0.2	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.2	-0.2	-0.1
36.0	0.2	0.1	0.0	-0.1	-0.2	-0.2	-0.3	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.3
36.5	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.3	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.4
37.0	0.3	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.4	-0.5	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
37.5	0.3	0.2	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
38.0	0.3	0.2	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6	-0.7	-0.7	-0.8	-0.8	-0.8	-0.8	-0.8
38.5	0.4	0.2	0.0	-0.1	-0.2	-0.4	-0.5	-0.6	-0.7	-0.8	-0.8	-0.9	-0.9	-1.0	-1.0	-1.0
39.0	0.4	0.2	0.0	-0.1	-0.3	-0.4	-0.5	-0.6	-0.7	-0.8	-0.9	-1.0	-1.0	-1.1	-1.1	-1.1
39.5	0.4	0.2	0.0	-0.1	-0.3	-0.4	-0.6	-0.7	-0.8	-0.9	-1.0	-1.1	-1.1	-1.2	-1.2	-1.3
40.0	0.4	0.2	0.0	-0.1	-0.3	-0.5	-0.6	-0.7	-0.9	-1.0	-1.1	-1.2	-1.3	-1.3	-1.4	-1.4
40.5	0.5	0.2	0.0	-0.1	-0.3	-0.5	-0.7	-0.8	-0.9	-1.1	-1.2	-1.3	-1.4	-1.4	-1.5	-1.5
41.0	0.5	0.3	0.1	-0.1	-0.3	-0.5	-0.7	-0.9	-1.0	-1.1	-1.3	-1.4	-1.5	-1.6	-1.6	-1.7
41.5	0.5	0.3	0.1	-0.2	-0.4	-0.6	-0.7	-0.9	-1.1	-1.2	-1.3	-1.5	-1.6	-1.7	-1.8	-1.8
42.0	0.5	0.3	0.1	-0.2	-0.4	-0.6	-0.8	-1.0	-1.1	-1.3	-1.4	-1.6	-1.7	-1.8	-1.9	-2.0

TABLE 12f CORRECTION TO SOUND SPEED, V_0 (1449.1 m/sec), FOR SIMULTANEOUS CHANGES IN SALINITY, TEMPERATURE, AND PRESSURE, V_{stp} - Continued

2000 METERS (207.41 kg/cm^2)

‰ \ °C	-4	-2	0	2	4	6	8	10	12	14	16	18	20	22	24	26
0.0	-1.7	-1.0	-0.4	0.3	1.0	1.7	2.5	3.2	4.0	4.8	5.6	6.4	7.2	8.0	8.9	9.8
0.5	-1.7	-1.0	-0.4	0.3	1.0	1.7	2.4	3.2	3.9	4.7	5.5	6.3	7.1	7.9	8.8	9.6
1.0	-1.7	-1.0	-0.4	0.3	1.0	1.7	2.4	3.1	3.9	4.6	5.4	6.2	7.0	7.8	8.6	9.5
1.5	-1.6	-1.0	-0.3	0.3	1.0	1.7	2.4	3.1	3.8	4.5	5.3	6.1	6.9	7.7	8.5	9.4
2.0	-1.6	-1.0	-0.3	0.3	1.0	1.6	2.3	3.0	3.7	4.5	5.2	6.0	6.8	7.6	8.4	9.2
2.5	-1.6	-1.0	-0.3	0.3	0.9	1.6	2.3	3.0	3.7	4.4	5.1	5.9	6.7	7.4	8.2	9.1
3.0	-1.5	-0.9	-0.3	0.3	0.9	1.6	2.2	2.9	3.6	4.3	5.0	5.8	6.5	7.3	8.1	8.9
3.5	-1.5	-0.9	-0.3	0.3	0.9	1.5	2.2	2.9	3.6	4.2	5.0	5.7	6.4	7.2	8.0	8.8
4.0	-1.5	-0.9	-0.3	0.3	0.9	1.5	2.2	2.8	3.5	4.2	4.9	5.6	6.3	7.1	7.9	8.6
4.5	-1.5	-0.9	-0.3	0.3	0.9	1.5	2.1	2.8	3.4	4.1	4.8	5.5	6.2	7.0	7.7	8.5
5.0	-1.4	-0.9	-0.3	0.3	0.9	1.5	2.1	2.7	3.4	4.0	4.7	5.4	6.1	6.9	7.6	8.4
5.5	-1.4	-0.9	-0.3	0.3	0.8	1.4	2.0	2.7	3.3	4.0	4.6	5.3	6.0	6.7	7.5	8.2
6.0	-1.4	-0.8	-0.3	0.3	0.8	1.4	2.0	2.6	3.2	3.9	4.5	5.2	5.9	6.6	7.3	8.1
6.5	-1.3	-0.8	-0.3	0.2	0.8	1.4	2.0	2.6	3.2	3.8	4.5	5.1	5.8	6.5	7.2	7.9
7.0	-1.3	-0.8	-0.3	0.2	0.8	1.3	1.9	2.5	3.1	3.7	4.4	5.0	5.7	6.4	7.1	7.8
7.5	-1.3	-0.8	-0.3	0.2	0.8	1.3	1.9	2.5	3.1	3.7	4.3	4.9	5.6	6.3	7.0	7.7
8.0	-1.3	-0.8	-0.3	0.2	0.8	1.3	1.8	2.4	3.0	3.6	4.2	4.8	5.5	6.1	6.8	7.5
8.5	-1.2	-0.8	-0.3	0.2	0.7	1.3	1.8	2.4	2.9	3.5	4.1	4.7	5.4	6.0	6.7	7.4
9.0	-1.2	-0.7	-0.3	0.2	0.7	1.2	1.8	2.3	2.9	3.4	4.0	4.6	5.3	5.9	6.6	7.2
9.5	-1.2	-0.7	-0.3	0.2	0.7	1.2	1.7	2.3	2.8	3.4	3.9	4.5	5.2	5.8	6.4	7.1
10.0	-1.2	-0.7	-0.3	0.2	0.7	1.2	1.7	2.2	2.7	3.3	3.9	4.4	5.1	5.7	6.3	7.0
10.5	-1.1	-0.7	-0.3	0.2	0.7	1.1	1.6	2.2	2.7	3.2	3.8	4.4	4.9	5.6	6.2	6.8
11.0	-1.1	-0.7	-0.2	0.2	0.7	1.1	1.6	2.1	2.6	3.1	3.7	4.3	4.8	5.4	6.0	6.7
11.5	-1.1	-0.7	-0.2	0.2	0.6	1.1	1.6	2.1	2.6	3.1	3.6	4.2	4.7	5.3	5.9	6.5
12.0	-1.0	-0.6	-0.2	0.2	0.6	1.1	1.5	2.0	2.5	3.0	3.5	4.1	4.6	5.2	5.8	6.4
12.5	-1.0	-0.6	-0.2	0.2	0.6	1.0	1.5	2.0	2.4	2.9	3.4	4.0	4.5	5.1	5.7	6.3
13.0	-1.0	-0.6	-0.2	0.2	0.6	1.0	1.4	1.9	2.4	2.9	3.4	3.9	4.4	5.0	5.5	6.1
13.5	-1.0	-0.6	-0.2	0.2	0.6	1.0	1.4	1.9	2.3	2.8	3.3	3.8	4.3	4.8	5.4	6.0
14.0	-0.9	-0.6	-0.2	0.2	0.5	0.9	1.4	1.8	2.2	2.7	3.2	3.7	4.2	4.7	5.3	5.8
14.5	-0.9	-0.6	-0.2	0.2	0.5	0.9	1.3	1.7	2.2	2.6	3.1	3.6	4.1	4.6	5.1	5.7
15.0	-0.9	-0.5	-0.2	0.1	0.5	0.9	1.3	1.7	2.1	2.6	3.0	3.5	4.0	4.5	5.0	5.6
15.5	-0.8	-0.5	-0.2	0.1	0.5	0.9	1.2	1.6	2.1	2.5	2.9	3.4	3.9	4.4	4.9	5.4
16.0	-0.8	-0.5	-0.2	0.1	0.5	0.8	1.2	1.6	2.0	2.4	2.8	3.3	3.8	4.3	4.8	5.3
16.5	-0.8	-0.5	-0.2	0.1	0.5	0.8	1.2	1.5	1.9	2.3	2.8	3.2	3.7	4.1	4.6	5.1
17.0	-0.8	-0.5	-0.2	0.1	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.6	4.0	4.5	5.0
17.5	-0.7	-0.5	-0.2	0.1	0.4	0.8	1.1	1.4	1.8	2.2	2.6	3.0	3.4	3.9	4.4	4.9
18.0	-0.7	-0.5	-0.2	0.1	0.4	0.7	1.0	1.4	1.7	2.1	2.5	2.9	3.3	3.8	4.2	4.7
18.5	-0.7	-0.4	-0.2	0.1	0.4	0.7	1.0	1.3	1.7	2.0	2.4	2.8	3.2	3.7	4.1	4.6
19.0	-0.7	-0.4	-0.2	0.1	0.4	0.7	1.0	1.3	1.6	2.0	2.3	2.7	3.1	3.5	4.0	4.4
19.5	-0.6	-0.4	-0.2	0.1	0.4	0.6	0.9	1.2	1.6	1.9	2.3	2.6	3.0	3.4	3.8	4.3
20.0	-0.6	-0.4	-0.2	0.1	0.3	0.6	0.9	1.2	1.5	1.8	2.2	2.5	2.9	3.3	3.7	4.2
20.5	-0.6	-0.4	-0.2	0.1	0.3	0.6	0.9	1.1	1.4	1.8	2.1	2.4	2.8	3.2	3.6	4.0
21.0	-0.5	-0.4	-0.1	0.1	0.3	0.6	0.8	1.1	1.4	1.7	2.0	2.3	2.7	3.1	3.5	3.9
21.5	-0.5	-0.3	-0.1	0.1	0.3	0.5	0.8	1.0	1.3	1.6	1.9	2.2	2.6	3.0	3.3	3.7

TABLE 12F CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR SIMULTANEOUS CHANGES IN SALINITY, TEMPERATURE, AND PRESSURE, V_{stp} - Continued

2000 METERS (207.41 kg/cm^2)

‰ \ °C	-4	-2	0	2	4	6	8	10	12	14	16	18	20	22	24	26
22.0	-0.5	-0.3	-0.1	0.1	0.3	0.5	0.7	1.0	1.3	1.5	1.8	2.2	2.5	2.8	3.2	3.6
22.5	-0.5	-0.3	-0.1	0.1	0.3	0.5	0.7	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.1	3.4
23.0	-0.4	-0.3	-0.1	0.0	0.2	0.4	0.7	0.9	1.1	1.4	1.7	2.0	2.3	2.6	2.9	3.3
23.5	-0.4	-0.3	-0.1	0.0	0.2	0.4	0.6	0.8	1.1	1.3	1.6	1.9	2.2	2.5	2.8	3.2
24.0	-0.4	-0.3	-0.1	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.8	2.1	2.4	2.7	3.0
24.5	-0.4	-0.2	-0.1	0.0	0.2	0.4	0.5	0.7	0.9	1.2	1.4	1.7	1.9	2.2	2.6	2.9
25.0	-0.3	-0.2	-0.1	0.0	0.2	0.3	0.5	0.7	0.9	1.1	1.3	1.6	1.8	2.1	2.4	2.7
25.5	-0.3	-0.2	-0.1	0.0	0.1	0.3	0.5	0.6	0.8	1.0	1.2	1.5	1.7	2.0	2.3	2.6
26.0	-0.3	-0.2	-0.1	0.0	0.1	0.3	0.4	0.6	0.8	0.9	1.2	1.4	1.6	1.9	2.2	2.5
26.5	-0.2	-0.2	-0.1	0.0	0.1	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.8	2.0	2.3
27.0	-0.2	-0.2	-0.1	0.0	0.1	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.4	1.7	1.9	2.2
27.5	-0.2	-0.1	-0.1	-0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.9	1.1	1.3	1.5	1.8	2.0
28.0	-0.2	-0.1	-0.1	-0.0	0.1	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.2	1.4	1.7	1.9
28.5	-0.1	-0.1	-0.1	-0.0	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.9	1.1	1.3	1.5	1.8
29.0	-0.1	-0.1	-0.1	-0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.2	1.4	1.6
29.5	-0.1	-0.1	-0.1	-0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.6	0.7	0.9	1.1	1.3	1.5
30.0	-0.0	-0.1	-0.1	-0.0	-0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.1	1.3
30.5	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.2
31.0	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.6	0.7	0.9	1.1
31.5	0.0	-0.0	-0.0	-0.1	-0.1	-0.0	-0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.6	0.7	0.9
32.0	0.1	0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.6	0.8
32.5	0.1	0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	0.1	0.1	0.2	0.4	0.5	0.6
33.0	0.1	0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	0.0	0.1	0.2	0.4	0.5
33.5	0.1	0.1	-0.0	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1	0.0	0.1	0.2	0.4
34.0	0.2	0.1	-0.0	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1	-0.0	0.1	0.2
34.5	0.2	0.1	-0.0	-0.1	-0.2	-0.2	-0.3	-0.3	-0.3	-0.3	-0.3	-0.2	-0.2	-0.1	-0.0	0.1
35.0	0.2	0.1	0.0	-0.1	-0.2	-0.2	-0.3	-0.3	-0.4	-0.4	-0.4	-0.3	-0.3	-0.2	-0.2	-0.1
35.5	0.3	0.1	0.0	-0.1	-0.2	-0.3	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.2
36.0	0.3	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.4	-0.3
36.5	0.3	0.2	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.5
37.0	0.3	0.2	0.0	-0.1	-0.2	-0.4	-0.5	-0.5	-0.6	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.6
37.5	0.4	0.2	0.0	-0.1	-0.3	-0.4	-0.5	-0.6	-0.7	-0.7	-0.8	-0.8	-0.8	-0.9	-0.8	-0.8
38.0	0.4	0.2	0.0	-0.1	-0.3	-0.4	-0.5	-0.6	-0.7	-0.8	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9
38.5	0.4	0.2	0.0	-0.1	-0.3	-0.4	-0.6	-0.7	-0.8	-0.9	-1.0	-1.0	-1.0	-1.1	-1.1	-1.0
39.0	0.5	0.2	0.0	-0.1	-0.3	-0.5	-0.6	-0.7	-0.9	-1.0	-1.0	-1.1	-1.2	-1.2	-1.2	-1.2
39.5	0.5	0.3	0.0	-0.2	-0.3	-0.5	-0.7	-0.8	-0.9	-1.0	-1.1	-1.2	-1.3	-1.3	-1.3	-1.3
40.0	0.5	0.3	0.1	-0.2	-0.4	-0.5	-0.7	-0.8	-1.0	-1.1	-1.2	-1.3	-1.4	-1.4	-1.5	-1.5
40.5	0.5	0.3	0.1	-0.2	-0.4	-0.6	-0.7	-0.9	-1.0	-1.2	-1.3	-1.4	-1.5	-1.5	-1.6	-1.6
41.0	0.6	0.3	0.1	-0.2	-0.4	-0.6	-0.8	-1.0	-1.1	-1.3	-1.4	-1.5	-1.6	-1.7	-1.7	-1.8
41.5	0.6	0.3	0.1	-0.2	-0.4	-0.6	-0.8	-1.0	-1.2	-1.3	-1.5	-1.6	-1.7	-1.8	-1.8	-1.9
42.0	0.6	0.3	0.1	-0.2	-0.4	-0.6	-0.9	-1.1	-1.2	-1.4	-1.5	-1.7	-1.8	-1.9	-2.0	-2.0

Table 12F CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR SIMULTANEOUS CHANGES IN SALINITY, TEMPERATURE, AND PRESSURE, V_{stp} - Continued

2500 METERS
(259.42 kg/cm²)

‰ \ °C	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
30.0	0.0	-0.0	-0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	-0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3
30.5	0.1	0.0	-0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	-0.0	0.0	0.1	0.1	0.1	0.2
31.0	0.1	0.0	0.0	-0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	-0.0	0.0	0.1	0.1
31.5	0.1	0.1	0.0	-0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	0.0
32.0	0.1	0.1	0.0	0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1	-0.1	-0.1
32.5	0.2	0.1	0.1	0.0	-0.0	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1
33.0	0.2	0.1	0.1	0.0	-0.0	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3	-0.3	-0.3	-0.2	-0.3	-0.2	-0.2
33.5	0.2	0.2	0.1	0.0	-0.0	-0.1	-0.1	-0.2	-0.2	-0.2	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3
34.0	0.3	0.2	0.1	0.0	-0.0	-0.1	-0.1	-0.2	-0.2	-0.2	-0.3	-0.3	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
34.5	0.5	0.2	0.1	0.1	-0.0	-0.1	-0.1	-0.2	-0.2	-0.3	-0.3	-0.3	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5
35.0	0.3	0.2	0.1	0.1	0.0	-0.1	-0.1	-0.2	-0.2	-0.3	-0.3	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
35.5	0.3	0.2	0.2	0.1	0.0	-0.1	-0.1	-0.2	-0.3	-0.3	-0.4	-0.4	-0.5	-0.5	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6
36.0	0.4	0.3	0.2	0.1	0.0	-0.1	-0.1	-0.2	-0.3	-0.3	-0.4	-0.4	-0.5	-0.5	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7
36.5	0.4	0.3	0.2	0.1	0.0	-0.1	-0.1	-0.2	-0.3	-0.4	-0.4	-0.5	-0.5	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.8
37.0	0.4	0.3	0.2	0.1	0.0	-0.1	-0.2	-0.2	-0.3	-0.4	-0.4	-0.5	-0.6	-0.6	-0.7	-0.7	-0.8	-0.8	-0.8	-0.8
37.5	0.4	0.3	0.2	0.1	0.0	-0.1	-0.2	-0.2	-0.3	-0.4	-0.5	-0.5	-0.6	-0.7	-0.7	-0.8	-0.8	-0.9	-0.9	-0.9
38.0	0.5	0.4	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.3	-0.4	-0.5	-0.6	-0.6	-0.7	-0.8	-0.8	-0.9	-0.9	-1.0	-1.0
38.5	0.5	0.4	0.3	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.4	-0.5	-0.6	-0.7	-0.8	-0.8	-0.9	-0.9	-1.0	-1.0	-1.1
39.0	0.5	0.4	0.3	0.2	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6	-0.6	-0.7	-0.8	-0.9	-0.9	-1.0	-1.1	-1.1	-1.2
39.5	0.6	0.4	0.3	0.2	0.1	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6	-0.7	-0.8	-0.8	-0.9	-1.0	-1.1	-1.1	-1.2	-1.2
40.0	0.6	0.4	0.3	0.2	0.1	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6	-0.7	-0.8	-0.9	-1.0	-1.1	-1.1	-1.2	-1.3	-1.3
40.5	0.6	0.5	0.3	0.2	0.1	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6	-0.7	-0.8	-0.9	-1.0	-1.1	-1.2	-1.3	-1.3	-1.4
41.0	0.6	0.5	0.3	0.2	0.1	-0.1	-0.2	-0.3	-0.4	-0.6	-0.7	-0.8	-0.9	-1.0	-1.1	-1.2	-1.3	-1.3	-1.4	-1.5
41.5	0.7	0.5	0.4	0.2	0.1	-0.1	-0.2	-0.3	-0.5	-0.6	-0.7	-0.8	-0.9	-1.0	-1.1	-1.2	-1.3	-1.4	-1.5	-1.6
42.0	0.7	0.5	[illegible]	[illegible]	[illegible]	-0.1	-0.2	-0.3	-0.5	-0.6	-0.7	-0.8	-1.0	-1.1	-1.2	-1.3	-1.4	-1.5	-1.6	-1.6

Table 12F CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR SIMULTANEOUS CHANGES IN SALINITY, TEMPERATURE, AND PRESSURE, V_{stp} - Continued

3000 METERS
(311.51 kg/cm²)

‰ \ °C	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
30.0	0.1	0.1	0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	-0.0	-0.1
30.5	0.1	0.1	0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1	-0.1	-0.1
31.0	0.2	0.1	0.1	0.0	-0.0	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1
31.5	0.2	0.1	0.1	0.0	-0.0	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3	-0.3	-0.3	-0.3	-0.2	-0.2	-0.2	-0.2
32.0	0.2	0.2	0.1	0.0	-0.0	-0.1	-0.1	-0.2	-0.2	-0.2	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.2
32.5	0.3	0.2	0.1	0.0	-0.0	-0.1	-0.1	-0.2	-0.2	-0.3	-0.3	-0.3	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.3
33.0	0.3	0.2	0.1	0.0	-0.0	-0.1	-0.1	-0.2	-0.2	-0.3	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
33.5	0.3	0.2	0.1	0.1	-0.0	-0.1	-0.2	-0.2	-0.3	-0.3	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
34.0	0.3	0.2	0.2	0.1	-0.0	-0.1	-0.2	-0.2	-0.3	-0.3	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.6	-0.6	-0.6	-0.6
34.5	0.4	0.3	0.2	0.1	-0.0	-0.1	-0.2	-0.2	-0.3	-0.4	-0.4	-0.5	-0.5	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6

TABLE 12F CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR SIMULTANEOUS CHANGES IN SALINITY, TEMPERATURE, AND PRESSURE, V_{stp} - Continued

3000 METERS (311.51 kg/cm^2

‰ \ °C	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
35.0	0.4	0.3	0.2	0.1	0.0	-0.1	-0.2	-0.2	-0.3	-0.4	-0.4	-0.5	-0.5	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.7
35.5	0.4	0.3	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.3	-0.4	-0.5	-0.5	-0.6	-0.6	-0.7	-0.7	-0.7	-0.8	-0.8	-0.8
36.0	0.4	0.3	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.3	-0.4	-0.5	-0.6	-0.6	-0.7	-0.7	-0.8	-0.8	-0.8	-0.9	-0.9
36.5	0.5	0.4	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.4	-0.5	-0.6	-0.7	-0.7	-0.8	-0.8	-0.9	-0.9	-0.9	-1.0
37.0	0.5	0.4	0.3	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.5	-0.6	-0.7	-0.8	-0.8	-0.9	-0.9	-1.0	-1.0	-1.0
37.5	0.5	0.4	0.3	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6	-0.7	-0.7	-0.8	-0.9	-0.9	-1.0	-1.0	-1.1	-1.1
38.0	0.6	0.4	0.3	0.2	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6	-0.7	-0.8	-0.9	-0.9	-1.0	-1.1	-1.1	-1.1	-1.2
38.5	0.6	0.4	0.3	0.2	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6	-0.7	-0.8	-0.9	-1.0	-1.0	-1.1	-1.2	-1.2	-1.3
39.0	0.6	0.5	0.3	0.2	0.0	-0.1	-0.2	-0.3	-0.4	-0.6	-0.7	-0.8	-0.9	-0.9	-1.0	-1.1	-1.2	-1.2	-1.3	-1.3
39.5	0.6	0.5	0.3	0.2	0.1	-0.1	-0.2	-0.3	-0.5	-0.6	-0.7	-0.8	-0.9	-1.0	-1.1	-1.2	-1.2	-1.3	-1.4	-1.4
40.0	0.7	0.5	0.4	0.2	0.1	-0.1	-0.2	-0.4	-0.5	-0.6	-0.7	-0.8	-0.9	-1.0	-1.1	-1.2	-1.3	-1.4	-1.4	-1.5
40.5	0.7	0.5	0.4	0.2	0.1	-0.1	-0.2	-0.4	-0.5	-0.6	-0.7	-0.9	-1.0	-1.1	-1.2	-1.3	-1.4	-1.4	-1.5	-1.6
41.0	0.7	0.6	0.4	0.2	0.1	-0.1	-0.2	-0.4	-0.5	-0.6	-0.8	-0.9	-1.0	-1.1	-1.2	-1.3	-1.4	-1.5	-1.6	-1.7
41.5	0.8	0.6	0.4	0.2	0.1	-0.1	-0.2	-0.4	-0.5	-0.7	-0.8	-0.9	-1.0	-1.2	-1.3	-1.4	-1.5	-1.6	-1.7	-1.7
42.0	0.8	0.6	0.4	0.2	0.1	-0.1	-0.2	-0.4	-0.5	-0.7	-0.8	-1.0	-1.1	-1.2	-1.3	-1.4	-1.5	-1.6	-1.7	-1.8

TABLE 12F CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR SIMULTANEOUS CHANGES IN SALINITY, TEMPERATURE, AND PRESSURE, V_{stp} - Continued

4000 METERS (415.86 kg/cm^2)

‰ \ °C	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
30.0	0.3	0.2	0.1	0.0	-0.0	-0.1	-0.2	-0.3	-0.3	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.4	-0.4
30.5	0.3	0.2	0.1	0.0	-0.0	-0.1	-0.2	-0.3	-0.3	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	0.5
31.0	0.4	0.3	0.2	0.1	-0.0	-0.1	-0.2	-0.3	-0.3	-0.4	-0.5	-0.5	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
31.5	0.4	0.3	0.2	0.1	-0.0	-0.1	-0.2	-0.3	-0.4	-0.4	-0.5	-0.5	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.6
32.0	0.4	0.3	0.2	0.1	-0.0	-0.1	-0.2	-0.3	-0.4	-0.4	-0.5	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
32.5	0.5	0.3	0.2	0.1	-0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.5	-0.6	-0.7	-0.7	-0.7	-0.8	-0.8	-0.8	-0.8	-0.8
33.0	0.5	0.3	0.2	0.1	-0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6	-0.6	-0.7	-0.7	-0.8	-0.8	-0.9	-0.9	-0.9	-0.9
33.5	0.5	0.4	0.2	0.1	-0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6	-0.7	-0.7	-0.8	-0.8	-0.9	-0.9	-0.9	-1.0	-1.0
34.0	0.5	0.4	0.3	0.1	-0.0	-0.1	-0.2	-0.4	-0.4	-0.5	-0.6	-0.7	-0.8	-0.8	-0.9	-0.9	-1.0	-1.0	-1.0	-1.0
34.5	0.6	0.4	0.3	0.1	-0.0	-0.1	-0.3	-0.4	-0.5	-0.6	-0.7	-0.7	-0.8	-0.9	-0.9	-1.0	-1.0	-1.1	-1.1	-1.1
35.0	0.6	0.4	0.3	0.1	0.0	-0.1	-0.3	-0.4	-0.5	-0.6	-0.7	-0.8	-0.9	-0.9	-1.0	-1.0	-1.1	-1.1	-1.2	-1.2
35.5	0.6	0.5	0.3	0.1	0.0	-0.1	-0.3	-0.4	-0.5	-0.6	-0.7	-0.8	-0.9	-1.0	-1.0	-1.1	-1.2	-1.2	-1.2	-1.3
36.0	0.6	0.5	0.3	0.2	0.0	-0.1	-0.3	-0.4	-0.5	-0.6	-0.7	-0.8	-0.9	-1.0	-1.1	-1.2	-1.2	-1.3	-1.3	-1.4
36.5	0.7	0.5	0.3	0.2	0.0	-0.1	-0.3	-0.4	-0.5	-0.7	-0.8	-0.9	-1.0	-1.1	-1.1	-1.2	-1.3	-1.3	-1.4	-1.4
37.0	0.7	0.5	0.3	0.2	0.0	-0.1	-0.3	-0.4	-0.6	-0.7	-0.8	-0.9	-1.0	-1.1	-1.2	-1.3	-1.4	-1.4	-1.5	-1.5
37.5	0.7	0.5	0.4	0.2	0.0	-0.1	-0.3	-0.4	-0.6	-0.7	-0.8	-0.9	-1.1	-1.2	-1.2	-1.3	-1.4	-1.5	-1.5	-1.6
38.0	0.8	0.6	0.4	0.2	0.0	-0.1	-0.3	-0.4	-0.6	-0.7	-0.9	-1.0	-1.1	-1.2	-1.3	-1.4	-1.5	-1.6	-1.6	-1.7
38.5	0.8	0.6	0.4	0.2	0.0	-0.1	-0.3	-0.5	-0.6	-0.8	-0.9	-1.0	-1.1	-1.2	-1.3	-1.5	-1.6	-1.6	-1.7	-1.8
39.0	0.8	0.6	0.4	0.2	0.0	-0.1	-0.3	-0.5	-0.6	-0.8	-0.9	-1.0	-1.2	-1.3	-1.4	-1.5	-1.6	-1.7	-1.8	-1.8
39.5	0.8	0.6	0.4	0.2	0.0	-0.1	-0.3	-0.5	-0.6	-0.8	-0.9	-1.1	-1.2	-1.3	-1.5	-1.6	-1.7	-1.8	-1.8	-1.9
40.0	0.9	0.7	0.4	0.2	0.0	-0.1	-0.3	-0.5	-0.7	-0.8	-1.0	-1.1	-1.3	-1.4	-1.5	-1.6	-1.7	-1.8	-1.9	-2.0
40.5	0.9	0.7	0.5	0.3	0.1	-0.1	-0.3	-0.5	-0.7	-0.8	-1.0	-1.2	-1.3	-1.4	-1.6	-1.7	-1.8	-1.9	-2.0	-2.1
41.0	0.9	0.7	0.5	0.3	0.1	-0.1	-0.3	-0.5	-0.7	-0.9	-1.0	-1.2	-1.3	-1.5	-1.6	-1.7	-1.9	-2.0	-2.1	-2.1
41.5	0.9	0.7	0.5	0.3	0.1	-0.1	-0.3	-0.5	-0.7	-0.9	-1.1	-1.2	-1.4	-1.5	-1.7	-1.8	-1.9	-2.0	-2.1	-2.2
42.0	1.0	0.7	0.5	0.3	0.1	-0.1	-0.3	-0.5	-0.7	-0.9	-1.1	-1.3	-1.4	-1.6	-1.7	-1.8	-2.0	-2.1	-2.2	-2.3

TABLE 12F CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR SIMULTANEOUS CHANGES IN SALINITY, TEMPERATURE, AND PRESSURE, V_{stp} - Continued

5000 METERS
(520.58 kg/cm²)

S‰ \ °C	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0
32.0	0.6	0.5	0.4	0.3	0.2	0.1	0.1	-0.0	-0.1	-0.2	-0.2	-0.3	-0.4	-0.5
32.5	0.6	0.5	0.4	0.3	0.2	0.2	0.1	-0.0	-0.1	-0.2	-0.3	-0.3	-0.4	-0.5
33.0	0.6	0.5	0.4	0.3	0.3	0.2	-0.1	-0.0	-0.1	-0.2	-0.3	-0.3	-0.4	-0.5
33.5	0.7	0.6	0.5	0.4	0.3	0.2	0.1	-0.0	-0.1	-0.2	-0.3	-0.3	-0.4	-0.5
34.0	0.7	0.6	0.5	0.4	0.3	0.2	0.1	-0.0	-0.1	-0.2	-0.3	-0.4	-0.4	-0.5
34.5	0.7	0.6	0.5	0.4	0.3	0.2	0.1	-0.0	-0.1	-0.2	-0.3	-0.4	-0.4	-0.5
35.0	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.5
35.5	0.8	0.6	0.5	0.4	0.3	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6
36.0	0.8	0.7	0.5	0.4	0.3	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6
36.5	0.9	0.7	0.6	0.4	0.3	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6
37.0	0.8	0.7	0.6	0.5	0.3	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6
37.5	0.8	0.7	0.6	0.5	0.4	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6
38.0	0.9	0.7	0.6	0.5	0.4	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6
38.5	0.9	0.8	0.6	0.5	0.4	0.3	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6
39.0	0.9	0.8	0.6	0.5	0.4	0.3	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.7

S‰ \ °C	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	11	12	13	14	15
32.0	-0.5	-0.6	-0.6	-0.7	-0.8	-0.9	-0.9	-0.9	-1.0	-1.0	-1.0	-1.1	-1.1	-1.1	-12	-1.3	-13	-13	-13
32.5	-0.5	-0.6	-0.7	-0.7	-0.8	-0.9	-0.9	-0.9	-1.0	-1.0	-1.1	-1.1	-1.2	-1.2	-13	-1.3	-14	-14	-14
33.0	-0.6	-0.6	-0.7	-0.8	-0.8	-0.9	-0.9	-1.0	-1.0	-1.1	-1.1	-1.2	-1.2	-1.3	-13	-14	-14	-15	-15
33.5	-0.6	-0.6	-0.7	-0.8	-0.8	-0.9	-1.0	-1.0	-1.1	-1.1	-1.2	-1.2	-1.3	-1.3	-14	-15	-15	-16	-16
34.0	-0.6	-0.7	-0.7	-0.8	-0.9	-0.9	-1.0	-1.1	-1.1	-1.2	-1.2	-1.3	-1.3	-1.4	-14	-15	-16	-16	-1.7
34.5	-0.6	-0.7	-0.8	-0.9	-0.9	-1.0	-1.0	-1.1	-1.2	-1.2	-1.3	-1.3	-1.4	-1.4	-15	-16	-17	-17	-18
35.0	-0.5	-0.7	-0.8	-0.9	-0.9	-1.0	-1.1	-1.1	-1.2	-1.3	-1.3	-1.4	-1.4	-1.5	-16	-16	-17	-18	-18
35.5	-0.6	-0.7	-0.8	-0.9	-1.0	-1.0	-1.1	-1.2	-1.2	-1.3	-1.4	-1.4	-1.5	-1.5	-16	-1.7	-18	-19	-19
36.0	-0.7	-0.7	-0.8	-0.9	-1.0	-1.1	-1.1	-1.2	-1.3	-1.3	-1.4	-1.5	-1.5	-1.6	-17	-18	-19	-19	-20
36.5	-0.7	-0.8	-0.9	-0.9	-1.0	-1.1	-1.2	-1.2	-1.3	-1.4	-1.4	-1.5	-1.6	-1.6	-17	-18	-19	-20	-21
37.0	-0.7	-0.8	-0.9	-1.0	-1.0	-1.1	-1.2	-1.3	-1.3	-1.4	-1.5	-1.6	-1.6	-1.7	-18	-1.9	-20	-21	-22
37.5	-0.7	-0.8	-0.9	-1.0	-1.1	-1.2	-1.2	-1.3	-1.4	-1.5	-1.5	-1.6	-1.7	-1.7	-1.9	-20	-21	-22	-22
38.0	-0.7	-0.8	-0.9	-1.0	-1.1	-1.2	-1.3	-1.3	-1.4	-1.5	-1.6	-1.7	-1.7	-1.8	-19	-20	-21	-22	-23
38.5	-0.7	-0.8	-0.9	-1.0	-1.1	-1.2	-1.3	-1.4	-1.5	-1.5	-1.6	-1.7	-1.6	-1.8	-20	-21	-22	-23	-24
39.0	-0.8	-0.9	-1.0	-1.1	-1.2	-1.2	-1.3	-1.4	-1.5	-1.6	-1.7	-1.7	-1.8	-1.9	-20	-22	-23	-24	-25

TABLE 12F CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR SIMULTANEOUS CHANGES IN SALINITY, TEMPERATURE, AND PRESSURE, V_{stp} - Continued

6000 METERS
(625.75 kg/cm²)

‰ \ °C	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0
32.0	0.9	0.7	0.6	0.5	0.4	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6
32.5	0.9	0.8	0.6	0.5	0.4	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.7
33.0	0.9	0.8	0.6	0.5	0.4	0.3	0.1	0.0	-0.1	-0.2	-0.3	-0.5	-0.6	-0.7
33.5	0.9	0.8	0.7	0.5	0.4	0.3	0.1	0.0	-0.1	-0.2	-0.4	-0.5	-0.6	-0.7
34.0	1.0	0.8	0.7	0.5	0.4	0.3	0.1	0.0	-0.1	-0.2	-0.4	-0.5	-0.6	-0.7
34.5	1.0	0.8	0.7	0.5	0.4	0.3	0.1	0.0	-0.1	-0.3	-0.4	-0.5	-0.6	-0.7
35.0	1.0	0.8	0.7	0.5	0.4	0.3	0.1	0.0	-0.1	-0.3	-0.4	-0.5	-0.6	-0.7
35.5	1.0	0.9	0.7	0.6	0.4	0.3	0.1	-0.0	-0.1	-0.3	-0.4	-0.5	-0.6	-0.8
36.0	1.0	0.9	0.7	0.6	0.4	0.3	0.1	-0.0	-0.1	-0.3	-0.4	-0.5	-0.7	-0.8
36.5	1.0	0.9	0.7	0.6	0.4	0.3	0.1	-0.0	-0.1	-0.3	-0.4	-0.5	-0.7	-0.8
37.0	1.1	0.9	0.7	0.6	0.4	0.3	0.1	-0.0	-0.1	-0.3	-0.4	-0.6	-0.7	-0.8
37.5	1.1	0.9	0.8	0.6	0.4	0.3	0.1	-0.0	-0.2	-0.3	-0.4	-0.6	-0.7	-0.8
38.0	1.1	0.9	0.8	0.6	0.5	0.3	0.1	-0.0	-0.2	-0.3	-0.4	-0.6	-0.7	-0.8
38.5	1.1	0.9	0.8	0.6	0.5	0.3	0.1	-0.0	-0.2	-0.3	-0.5	-0.6	-0.7	-0.9
39.0	1.1	1.0	0.8	0.6	0.5	0.3	0.1	-0.0	-0.2	-0.3	-0.5	-0.6	-0.7	-0.9

‰ \ °C	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
32.0	-0.7	-0.8	-0.9	-1.0	-1.1	-1.2	-1.3	-1.3	-1.4	-1.5	-1.5	-1.6	-1.7	-1.7
32.5	-0.7	-0.8	-0.9	-1.0	-1.1	-1.2	-1.3	-1.4	-1.4	-1.5	-1.6	-1.7	-1.7	-1.8
33.0	-0.7	-0.9	-1.0	-1.1	-1.2	-1.2	-1.3	-1.4	-1.5	-1.6	-1.6	-1.7	-1.8	-1.8
33.5	-0.8	-0.9	-1.0	-1.1	-1.2	-1.3	-1.4	-1.4	-1.5	-1.6	-1.7	-1.8	-1.8	-1.9
34.0	-0.8	-0.9	-1.0	-1.1	-1.2	-1.3	-1.4	-1.5	-1.6	-1.7	-1.7	-1.8	-1.9	-2.0
34.5	-0.8	-0.9	-1.0	-1.2	-1.2	-1.3	-1.4	-1.5	-1.6	-1.7	-1.8	-1.9	-1.9	-2.0
35.0	-0.9	-1.0	-1.1	-1.2	-1.3	-1.4	-1.5	-1.6	-1.7	-1.7	-1.8	-1.9	-2.0	-2.1
35.5	-0.9	-1.0	-1.1	-1.2	-1.3	-1.4	-1.5	-1.6	-1.7	-1.8	-1.9	-2.0	-2.0	-2.1
36.0	-0.9	-1.0	-1.1	-1.2	-1.3	-1.5	-1.6	-1.7	-1.7	-1.8	-1.9	-2.0	-2.1	-2.2
36.5	-0.9	-1.0	-1.2	-1.3	-1.4	-1.5	-1.6	-1.7	-1.8	-1.9	-2.0	-2.1	-2.2	-2.2
37.0	-0.9	-1.1	-1.2	-1.3	-1.4	-1.5	-1.6	-1.7	-1.8	-1.9	-2.0	-2.1	-2.2	-2.3
37.5	-1.0	-1.1	-1.2	-1.3	-1.4	-1.6	-1.7	-1.8	-1.9	-2.0	-2.1	-2.2	-2.3	-2.4
38.0	-1.0	-1.1	-1.2	-1.4	-1.5	-1.6	-1.7	-1.8	-1.9	-2.0	-2.1	-2.2	-2.3	-2.4
38.5	-1.0	-1.1	-1.3	-1.4	-1.5	-1.6	-1.7	-1.9	-2.0	-2.1	-2.2	-2.3	-2.4	-2.5
39.0	-1.0	-1.2	-1.3	-1.4	-1.5	-1.7	-1.8	-1.9	-2.0	-2.1	-2.2	-2.3	-2.4	-2.5

TABLE 12f CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR SIMULTANEOUS CHANGES IN SALINITY, TEMPERATURE, AND PRESSURE, V_{stp} - Continued

7000 METERS (731.39 kg/cm²)

‰ \ °C	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0
32.0	1.2	1.0	0.9	0.7	0.5	0.4	0.2	0.0	-0.1	-0.3	-0.4	-0.6	-0.7	-0.8
32.5	1.2	1.1	0.9	0.7	0.5	0.4	0.2	0.0	-0.1	-0.3	-0.4	-0.6	-0.7	-0.9
33.0	1.2	1.1	0.9	0.7	0.5	0.4	0.2	0.0	-0.1	-0.3	-0.4	-0.6	-0.7	-0.9
33.5	1.3	1.1	0.9	0.7	0.5	0.4	0.2	0.0	-0.1	-0.3	-0.4	-0.6	-0.7	-0.9
34.0	1.3	1.1	0.9	0.7	0.5	0.4	0.2	0.0	-0.1	-0.3	-0.5	-0.6	-0.8	-0.9
34.5	1.3	1.1	0.9	0.7	0.5	0.4	0.2	0.0	-0.2	-0.3	-0.5	-0.6	-0.8	-0.9
35.0	1.3	1.1	0.9	0.7	0.5	0.4	0.2	0.0	-0.2	-0.3	-0.5	-0.7	-0.8	-1.0
35.5	1.3	1.1	0.9	0.7	0.5	0.4	0.2	0.0	-0.2	-0.3	-0.5	-0.7	-0.8	-1.0
36.0	1.3	1.1	0.9	0.7	0.5	0.4	0.2	-0.0	-0.2	-0.4	-0.5	-0.7	-0.9	-1.0
36.5	1.3	1.1	0.9	0.7	0.5	0.4	0.2	-0.0	-0.2	-0.4	-0.5	-0.7	-0.9	-1.0
37.0	1.3	1.1	0.9	0.7	0.5	0.4	0.2	-0.0	-0.2	-0.4	-0.6	-0.7	-0.9	-1.1
37.5	1.4	1.2	0.9	0.7	0.5	0.4	0.2	-0.0	-0.2	-0.4	-0.6	-0.7	-0.9	-1.1
38.0	1.4	1.2	1.0	0.8	0.5	0.4	0.2	-0.0	-0.2	-0.4	-0.6	-0.8	-0.9	-1.1
38.5	1.4	1.2	1.0	0.8	0.6	0.3	0.2	-0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.1
39.0	1.4	1.2	1.0	0.8	0.6	0.3	0.1	-0.1	-0.2	-0.4	-0.6	-0.8	-1.0	-1.2

‰ \ °C	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
32.0	-1.0	-1.1	-1.2	-1.4	-1.5	-1.6	-1.7	-1.8	-1.9	-2.0	-2.1	-2.2	-2.3	-2.4
32.5	-1.0	-1.1	-1.3	-1.4	-1.5	-1.6	-1.8	-1.9	-2.0	-2.1	-2.2	-2.3	-2.4	-2.5
33.0	-1.0	-1.2	-1.3	-1.4	-1.6	-1.7	-1.8	-1.9	-2.0	-2.2	-2.3	-2.4	-2.5	-2.6
33.5	-1.1	-1.2	-1.3	-1.5	-1.6	-1.7	-1.9	-2.0	-2.1	-2.2	-2.3	-2.4	-2.5	-2.6
34.0	-1.1	-1.2	-1.4	-1.5	-1.6	-1.8	-1.9	-2.0	-2.1	-2.3	-2.4	-2.5	-2.6	-2.7
34.5	-1.1	-1.3	-1.4	-1.5	-1.7	-1.8	-1.9	-2.1	-2.2	-2.3	-2.4	-2.5	-2.6	-2.7
35.0	-1.1	-1.3	-1.4	-1.6	-1.7	-1.8	-2.0	-2.1	-2.2	-2.4	-2.5	-2.6	-2.7	-2.8
35.5	-1.2	-1.3	-1.5	-1.6	-1.8	-1.9	-2.0	-2.2	-2.3	-2.4	-2.5	-2.6	-2.8	-2.9
36.0	-1.2	-1.3	-1.5	-1.6	-1.8	-1.9	-2.1	-2.2	-2.3	-2.5	-2.6	-2.7	-2.8	-2.9
36.5	-1.2	-1.4	-1.5	-1.7	-1.8	-2.0	-2.1	-2.2	-2.4	-2.5	-2.6	-2.8	-2.9	-3.0
37.0	-1.2	-1.4	-1.6	-1.7	-1.9	-2.0	-2.2	-2.3	-2.4	-2.6	-2.7	-2.8	-2.9	-3.1
37.5	-1.3	-1.4	-1.6	-1.7	-1.9	-2.1	-2.2	-2.3	-2.5	-2.6	-2.7	-2.9	-3.0	-3.1
38.0	-1.3	-1.5	-1.6	-1.8	-1.9	-2.1	-2.2	-2.4	-2.5	-2.7	-2.8	-2.9	-3.1	-3.2
38.5	-1.3	-1.5	-1.7	-1.8	-2.0	-2.1	-2.3	-2.4	-2.6	-2.7	-2.9	-3.0	-3.1	-3.2
39.0	-1.3	-1.5	-1.7	-1.9	-2.0	-2.2	-2.3	-2.5	-2.6	-2.8	-2.9	-3.0	-3.2	-3.3

TABLE 12f CORRECTION TO SOUND SPEED, V_2 (1449.1 m/sec), FOR SIMULTANEOUS CHANGES IN SALINITY, TEMPERATURE, AND PRESSURE, V_{stp} - Continued

8000 METERS (837.49 kg/cm²)

‰ \ °C	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0
32.0	1.6	1.4	1.2	0.9	0.7	0.5	0.3	0.1	-0.1	-0.3	-0.5	-0.7	-0.9	-1.1
32.5	1.6	1.4	1.2	0.9	0.7	0.5	0.3	0.1	-0.1	-0.3	-0.5	-0.7	-0.9	-1.1
33.0	1.6	1.4	1.2	0.9	0.7	0.5	0.3	0.1	-0.2	-0.4	-0.6	-0.8	-1.0	-1.2
33.5	1.6	1.4	1.2	0.9	0.7	0.5	0.3	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.2
34.0	1.6	1.4	1.2	0.9	0.7	0.5	0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.2
34.5	1.7	1.4	1.2	0.9	0.7	0.5	0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.2
35.0	1.7	1.4	1.2	0.9	0.7	0.5	0.2	0.0	-0.2	-0.4	-0.7	-0.9	-1.1	-1.3
35.5	1.7	1.4	1.2	0.9	0.7	0.4	0.2	-0.0	-0.2	-0.5	-0.7	-0.9	-1.1	-1.3
36.0	1.7	1.4	1.2	0.9	0.7	0.4	0.2	-0.0	-0.3	-0.5	-0.7	-0.9	-1.1	-1.3
36.5	1.7	1.4	1.2	0.9	0.7	0.4	0.2	-0.0	-0.3	-0.5	-0.7	-0.9	-1.2	-1.4
37.0	1.7	1.4	1.2	0.9	0.7	0.4	0.2	-0.1	-0.3	-0.5	-0.7	-1.0	-1.2	-1.4
37.5	1.7	1.4	1.2	0.9	0.7	0.4	0.2	-0.1	-0.3	-0.5	-0.8	-1.0	-1.2	-1.4
38.0	1.7	1.4	1.2	0.9	0.7	0.4	0.2	-0.1	-0.3	-0.6	-0.8	-1.0	-1.2	-1.5
38.5	1.7	1.4	1.2	0.9	0.7	0.4	0.2	-0.1	-0.3	-0.6	-0.8	-1.0	-1.3	-1.5
39.0	1.7	1.4	1.2	0.9	0.7	0.4	0.1	-0.1	-0.3	-0.6	-0.8	-1.1	-1.3	-1.5

‰ \ °C	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
32.0	-1.3	-1.5	-1.6	-1.6	-2.0	-2.1	-2.3	-2.4	-2.6	-2.7	-2.9	-3.0	-3.1	-3.3
32.5	-1.3	-1.5	-1.7	-1.8	-2.0	-2.2	-2.3	-2.5	-2.6	-2.8	-2.9	-3.1	-3.2	-3.3
33.0	-1.3	-1.5	-1.7	-1.9	-2.1	-2.2	-2.4	-2.5	-2.7	-2.9	-3.0	-3.1	-3.3	-3.4
33.5	-1.4	-1.6	-1.7	-1.9	-2.1	-2.3	-2.4	-2.6	-2.8	-2.9	-3.1	-3.2	-3.3	-3.5
34.0	-1.4	-1.6	-1.8	-2.0	-2.1	-2.3	-2.5	-2.7	-2.8	-3.0	-3.1	-3.3	-3.4	-3.6
34.5	-1.4	-1.6	-1.8	-2.0	-2.2	-2.4	-2.5	-2.7	-2.9	-3.0	-3.2	-3.3	-3.5	-3.6
35.0	-1.5	-1.7	-1.9	-2.0	-2.2	-2.4	-2.6	-2.8	-2.9	-3.1	-3.2	-3.4	-3.5	-3.7
35.5	-1.5	-1.7	-1.9	-2.1	-2.3	-2.5	-2.6	-2.8	-3.0	-3.1	-3.3	-3.5	-3.6	-3.8
36.0	-1.5	-1.7	-1.9	-2.1	-2.3	-2.5	-2.7	-2.9	-3.0	-3.2	-3.4	-3.5	-3.7	-3.8
36.5	-1.6	-1.8	-2.0	-2.2	-2.4	-2.6	-2.7	-2.9	-3.1	-3.3	-3.4	-3.6	-3.7	-3.9
37.0	-1.6	-1.8	-2.0	-2.2	-2.4	-2.6	-2.8	-3.0	-3.1	-3.3	-3.5	-3.7	-3.8	-4.0
37.5	-1.6	-1.8	-2.1	-2.3	-2.5	-2.6	-2.8	-3.0	-3.2	-3.4	-3.5	-3.7	-3.9	-4.0
38.0	-1.7	-1.9	-2.1	-2.3	-2.5	-2.7	-2.9	-3.1	-3.3	-3.4	-3.6	-3.8	-3.9	-4.1
38.5	-1.7	-1.9	-2.1	-2.3	-2.5	-2.7	-2.9	-3.1	-3.3	-3.5	-3.7	-3.8	-4.0	-4.2
39.0	-1.7	-2.0	-2.2	-2.4	-2.6	-2.8	-3.0	-3.2	-3.4	-3.5	-3.7	-3.9	-4.1	-4.2

TABLE 12F CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR SIMULTANEOUS CHANGES IN SALINITY, TEMPERATURE, AND PRESSURE, V_{stp} - Continued

9000 METERS (943.96 kg/cm^2)

‰ \ °C	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0
32.0	2.1	1.8	1.5	1.2	0.9	0.7	0.4	0.1	-0.1	-0.4	-0.7	-0.9	-1.1	-1.4
32.5	2.1	1.8	1.5	1.2	0.9	0.7	0.4	0.1	-0.2	-0.4	-0.7	-0.9	-1.2	-1.4
33.0	2.1	1.8	1.5	1.2	0.9	0.6	0.4	0.1	-0.2	-0.4	-0.7	-1.0	-1.2	-1.5
33.5	2.1	1.8	1.5	1.2	0.9	0.6	0.3	0.1	-0.2	-0.5	-0.7	-1.0	-1.3	-1.5
34.0	2.1	1.8	1.5	1.2	0.9	0.6	0.3	0.0	-0.2	-0.5	-0.8	-1.0	-1.3	-1.5
34.5	2.1	1.8	1.5	1.2	0.9	0.6	0.3	0.0	-0.3	-0.5	-0.8	-1.1	-1.3	-1.6
35.0	2.1	1.8	1.5	1.2	0.9	0.6	0.3	0.0	-0.3	-0.6	-0.8	-1.1	-1.4	-1.6
35.5	2.1	1.8	1.5	1.2	0.9	0.6	0.3	-0.0	-0.3	-0.6	-0.9	-1.1	-1.4	-1.7
36.0	2.1	1.8	1.5	1.1	0.8	0.5	0.2	-0.0	-0.3	-0.6	-0.9	-1.2	-1.4	-1.7
36.5	2.1	1.8	1.4	1.1	0.8	0.5	0.2	-0.1	-0.4	-0.6	-0.9	-1.2	-1.5	-1.7
37.0	2.1	1.8	1.4	1.1	0.8	0.5	0.2	-0.1	-0.4	-0.7	-0.9	-1.2	-1.5	-1.8
37.5	2.1	1.8	1.4	1.1	0.8	0.5	0.2	-0.1	-0.4	-0.7	-1.0	-1.3	-1.5	-1.8
38.0	2.1	1.7	1.4	1.1	0.8	0.5	0.2	-0.1	-0.4	-0.7	-1.0	-1.3	-1.6	-1.8
38.5	2.1	1.7	1.4	1.1	0.8	0.5	0.2	-0.1	-0.4	-0.7	-1.0	-1.3	-1.6	-1.9
39.0	2.1	1.7	1.4	1.1	0.8	0.4	0.1	-0.2	-0.5	-0.8	-1.1	-1.4	-1.6	-1.9

‰ \ °C	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
32.0	-1.6	-1.9	-2.1	-2.3	-2.5	-2.7	-3.0	-3.2	-3.4	-3.6	-3.7	-3.9	-4.1	-4.3
32.5	-1.7	-1.9	-2.1	-2.4	-2.6	-2.8	-3.0	-3.2	-3.4	-3.6	-3.8	-4.0	-4.2	-4.4
33.0	-1.7	-1.9	-2.2	-2.4	-2.6	-2.9	-3.1	-3.3	-3.5	-3.7	-3.9	-4.1	-4.3	-4.4
33.5	-1.8	-2.0	-2.2	-2.5	-2.7	-2.9	-3.1	-3.3	-3.5	-3.8	-4.0	-4.1	-4.3	-4.5
34.0	-1.8	-2.0	-2.3	-2.5	-2.7	-3.0	-3.2	-3.4	-3.6	-3.8	-4.0	-4.2	-4.4	-4.6
34.5	-1.8	-2.1	-2.3	-2.6	-2.8	-3.0	-3.2	-3.5	-3.7	-3.9	-4.1	-4.3	-4.5	-4.7
35.0	-1.9	-2.1	-2.4	-2.6	-2.8	-3.1	-3.3	-3.5	-3.7	-4.0	-4.2	-4.4	-4.6	-4.7
35.5	-1.9	-2.2	-2.4	-2.7	-2.9	-3.1	-3.4	-3.6	-3.8	-4.0	-4.2	-4.4	-4.6	-4.8
36.0	-2.0	-2.2	-2.5	-2.7	-2.9	-3.2	-3.4	-3.6	-3.9	-4.1	-4.3	-4.5	-4.7	-4.9
36.5	-2.0	-2.3	-2.5	-2.8	-3.0	-3.2	-3.5	-3.7	-3.9	-4.1	-4.4	-4.6	-4.8	-5.0
37.0	-2.0	-2.3	-2.6	-2.8	-3.1	-3.3	-3.5	-3.8	-4.0	-4.2	-4.4	-4.6	-4.9	-5.1
37.5	-2.1	-2.3	-2.6	-2.9	-3.1	-3.3	-3.6	-3.8	-4.1	-4.3	-4.5	-4.7	-4.9	-5.1
38.0	-2.1	-2.4	-2.6	-2.9	-3.2	-3.4	-3.6	-3.9	-4.1	-4.3	-4.6	-4.8	-5.0	-5.2
38.5	-2.2	-2.4	-2.7	-3.0	-3.2	-3.5	-3.7	-3.9	-4.2	-4.4	-4.6	-4.9	-5.1	-5.3
39.0	-2.2	-2.5	-2.7	-3.0	-3.3	-3.5	-3.8	-4.0	-4.2	-4.5	-4.7	-4.9	-5.2	-5.4

TABLE 12F CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR SIMULTANEOUS CHANGES IN SALINITY, TEMPERATURE, AND PRESSURE, V_{stp} - Continued

10,000 METERS (1050.96 kg/cm²)

‰ \ °C	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0
32.0	2.6	2.3	1.9	1.6	1.2	0.9	0.5	0.2	-0.1	-0.5	-0.8	-1.1	-1.4	-1.7
32.5	2.6	2.3	1.9	1.5	1.2	0.8	0.5	0.2	-0.2	-0.5	-0.8	-1.2	-1.5	-1.8
33.0	2.6	2.3	1.9	1.5	1.2	0.8	0.5	0.1	-0.2	-0.5	-0.9	-1.2	-1.5	-1.8
33.5	2.6	2.2	1.9	1.5	1.1	0.8	0.4	0.1	-0.2	-0.6	-0.9	-1.2	-1.6	-1.9
34.0	2.6	2.2	1.9	1.5	1.1	0.8	0.4	0.1	-0.3	-0.6	-1.0	-1.3	-1.6	-1.9
34.5	2.6	2.2	1.8	1.5	1.1	0.7	0.4	0.0	-0.3	-0.7	-1.0	-1.3	-1.6	-2.0
35.0	2.6	2.2	1.8	1.4	1.1	0.7	0.4	0.0	-0.3	-0.7	-1.0	-1.4	-1.7	-2.0
35.5	2.6	2.2	1.8	1.4	1.1	0.7	0.3	-0.0	-0.4	-0.7	-1.1	-1.4	-1.7	-2.1
36.0	2.6	2.2	1.8	1.4	1.0	0.7	0.3	-0.1	-0.4	-0.8	-1.1	-1.5	-1.8	-2.1
36.5	2.5	2.2	1.8	1.4	1.0	0.6	0.3	-0.1	-0.5	-0.8	-1.2	-1.5	-1.8	-2.2
37.0	2.5	2.1	1.8	1.4	1.0	0.6	0.2	-0.1	-0.5	-0.8	-1.2	-1.5	-1.9	-2.2
37.5	2.5	2.1	1.7	1.3	1.0	0.6	0.2	-0.2	-0.5	-0.9	-1.2	-1.6	-1.9	-2.3
38.0	2.5	2.1	1.7	1.3	0.9	0.6	0.2	-0.2	-0.6	-0.9	-1.3	-1.6	-2.0	-2.3
38.5	2.5	2.1	1.7	1.3	0.9	0.5	0.2	-0.2	-0.6	-0.9	-1.3	-1.7	-2.0	-2.4
39.0	2.5	2.1	1.7	1.3	0.9	0.5	0.1	-0.2	-0.6	-1.0	-1.3	-1.7	-2.1	-2.4

‰ \ °C	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
32.0	-2.0	-2.3	-2.6	-2.9	-3.2	-3.5	-3.7	-4.0	-4.3	-4.5	-4.8	-5.0	-5.2	-5.5
32.5	-2.1	-2.4	-2.7	-3.0	-3.2	-3.5	-3.8	-4.1	-4.3	-4.6	-4.8	-5.1	-5.3	-5.6
33.0	-2.1	-2.4	-2.7	-3.0	-3.3	-3.6	-3.9	-4.1	-4.4	-4.7	-4.9	-5.2	-5.4	-5.6
33.5	-2.2	-2.5	-2.8	-3.1	-3.4	-3.7	-3.9	-4.2	-4.5	-4.7	-5.0	-5.2	-5.5	-5.7
34.0	-2.2	-2.5	-2.8	-3.1	-3.4	-3.7	-4.0	-4.3	-4.5	-4.8	-5.1	-5.3	-5.6	-5.8
34.5	-2.3	-2.6	-2.9	-3.2	-3.5	-3.8	-4.1	-4.3	-4.6	-4.9	-5.2	-5.4	-5.7	-5.9
35.0	-2.3	-2.7	-3.0	-3.3	-3.6	-3.9	-4.1	-4.4	-4.7	-5.0	-5.2	-5.5	-5.7	-6.0
35.5	-2.4	-2.7	-3.0	-3.3	-3.6	-3.9	-4.2	-4.5	-4.8	-5.0	-5.3	-5.6	-5.8	-6.1
36.0	-2.4	-2.8	-3.1	-3.4	-3.7	-4.0	-4.3	-4.6	-4.8	-5.1	-5.4	-5.7	-5.9	-6.2
36.5	-2.5	-2.8	-3.1	-3.4	-3.7	-4.0	-4.3	-4.6	-4.9	-5.2	-5.5	-5.7	-6.0	-6.3
37.0	-2.5	-2.9	-3.2	-3.5	-3.8	-4.1	-4.4	-4.7	-5.0	-5.3	-5.5	-5.8	-6.1	-6.3
37.5	-2.6	-2.9	-3.2	-3.6	-3.9	-4.2	-4.5	-4.8	-5.1	-5.3	-5.6	-5.9	-6.2	-6.4
38.0	-2.6	-3.0	-3.3	-3.6	-3.9	-4.2	-4.5	-4.8	-5.1	-5.4	-5.7	-6.0	-6.2	-6.5
38.5	-2.7	-3.0	-3.4	-3.7	-4.0	-4.3	-4.6	-4.9	-5.2	-5.5	-5.8	-6.1	-6.3	-6.6
39.0	-2.7	-3.1	-3.4	-3.7	-4.1	-4.4	-4.7	-5.0	-5.3	-5.6	-5.9	-6.1	-6.4	-6.7

TABLE 12F CORRECTION TO SOUND SPEED, V_o (1449.1 m/sec), FOR SIMULTANEOUS CHANGES IN SALINITY, TEMPERATURE, AND PRESSURE, V_{stp} - Continued

11,000 METERS (1157.22 kg/cm^2)

‰ \ °C	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0
32.0	3.3	2.8	2.4	1.9	1.5	1.1	0.7	0.3	-0.2	-0.6	-1.0	-1.4	-1.7	-2.1
32.5	3.3	2.8	2.4	1.9	1.5	1.1	0.6	0.2	-0.2	-0.6	-1.0	-1.4	-1.8	-2.2
33.0	3.2	2.8	2.3	1.9	1.4	1.0	0.6	0.2	-0.2	-0.7	-1.1	-1.5	-1.9	-2.2
33.5	3.2	2.8	2.3	1.9	1.4	1.0	0.5	0.1	-0.3	-0.7	-1.1	-1.5	-1.9	-2.3
34.0	3.2	2.7	2.3	1.8	1.4	0.9	0.5	0.1	-0.3	-0.8	-1.2	-1.6	-2.0	-2.4
34.5	3.2	2.7	2.2	1.8	1.3	0.9	0.5	0.0	-0.4	-0.8	-1.2	-1.6	-2.0	-2.4
35.0	3.1	2.7	2.2	1.8	1.3	0.9	0.4	0.0	-0.4	-0.8	-1.3	-1.7	-2.1	-2.5
35.5	3.1	2.6	2.2	1.7	1.3	0.8	0.4	-0.0	-0.5	-0.9	-1.3	-1.7	-2.1	-2.5
36.0	3.1	2.6	2.2	1.7	1.2	0.8	0.4	-0.1	-0.5	-0.9	-1.4	-1.8	-2.2	-2.6
36.5	3.1	2.6	2.1	1.7	1.2	0.8	0.3	-0.1	-0.6	-1.0	-1.4	-1.8	-2.2	-2.7
37.0	3.0	2.6	2.1	1.6	1.2	0.7	0.3	-0.2	-0.6	-1.0	-1.5	-1.9	-2.3	-2.7
37.5	3.0	2.5	2.1	1.6	1.1	0.7	0.2	-0.2	-0.7	-1.1	-1.5	-1.9	-2.4	-2.8
38.0	3.0	2.5	2.0	1.6	1.1	0.7	0.2	-0.3	-0.7	-1.1	-1.6	-2.0	-2.4	-2.8
38.5	3.0	2.5	2.0	1.5	1.1	0.6	0.2	-0.3	-0.7	-1.2	-1.6	-2.0	-2.5	-2.9
39.0	3.0	2.5	2.0	1.5	1.0	0.6	0.1	-0.3	-0.8	-1.2	-1.7	-2.1	-2.5	-2.9

‰ \ °C	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
32.0	-2.5	-2.9	-3.2	-3.6	-3.9	-4.3	-4.6	-5.0	-5.3	-5.6	-5.9	-6.2	-6.5	-6.8
32.5	-2.6	-2.9	-3.3	-3.7	-4.0	-4.4	-4.7	-5.0	-5.4	-5.7	-6.0	-6.3	-6.6	-6.9
33.0	-2.6	-3.0	-3.4	-3.7	-4.1	-4.4	-4.8	-5.1	-5.5	-5.8	-6.1	-6.4	-6.7	-7.0
33.5	-2.7	-3.1	-3.4	-3.8	-4.2	-4.5	-4.9	-5.2	-5.5	-5.9	-6.2	-6.5	-6.8	-7.1
34.0	-2.7	-3.1	-3.5	-3.9	-4.2	-4.6	-4.9	-5.3	-5.6	-6.0	-6.3	-6.6	-6.9	-7.2
34.5	-2.8	-3.2	-3.6	-3.9	-4.3	-4.7	-5.0	-5.4	-5.7	-6.0	-6.4	-6.7	-7.0	-7.3
35.0	-2.9	-3.3	-3.6	-4.0	-4.4	-4.7	-5.1	-5.4	-5.8	-6.1	-6.5	-6.8	-7.1	-7.4
35.5	-2.9	-3.3	-3.7	-4.1	-4.4	-4.8	-5.2	-5.5	-5.9	-6.2	-6.5	-6.9	-7.2	-7.5
36.0	-3.0	-3.4	-3.8	-4.1	-4.5	-4.9	-5.3	-5.6	-6.0	-6.3	-6.6	-7.0	-7.3	-7.6
36.5	-3.1	-3.4	-3.8	-4.2	-4.6	-5.0	-5.3	-5.7	-6.0	-6.4	-6.7	-7.1	-7.4	-7.7
37.0	-3.1	-3.5	-3.9	-4.3	-4.7	-5.0	-5.4	-5.8	-6.1	-6.5	-6.8	-7.2	-7.5	-7.8
37.5	-3.2	-3.6	-4.0	-4.4	-4.7	-5.1	-5.5	-5.9	-6.2	-6.6	-6.9	-7.2	-7.6	-7.9
38.0	-3.2	-3.6	-4.0	-4.4	-4.8	-5.2	-5.6	-5.9	-6.3	-6.6	-7.0	-7.3	-7.7	-8.0
38.5	-3.3	-3.7	-4.1	-4.5	-4.9	-5.3	-5.6	-6.0	-6.4	-6.7	-7.1	-7.4	-7.8	-8.1
39.0	-3.4	-3.8	-4.2	-4.6	-5.0	-5.3	-5.7	-6.1	-6.5	-6.8	-7.2	-7.5	-7.9	-8.2

TABLE 12G SOUND SPEED CONVERSION - METERS/SECOND TO FEET/SECOND.

m	ft	m	ft	m	ft	m	ft	m	ft	m	ft	m	ft	m	ft
1400	4593.2	1450	4757.2	1500	4921.2	1550	5085.3	1600	5249.3	1650	5413.4	1700	5577.4	1750	5741.5
1401	4596.4	1451	4760.5	1501	4924.5	1551	5088.6	1601	5252.6	1651	5416.7	1701	5580.7	1751	5744.7
1402	4599.7	1452	4763.8	1502	4927.8	1552	5091.9	1602	5255.9	1652	5419.9	1702	5584.0	1752	5748.0
1403	4603.0	1453	4767.1	1503	4931.1	1553	5095.1	1603	5259.2	1653	5423.2	1703	5587.3	1753	5751.3
1404	4606.3	1454	4770.3	1504	4934.4	1554	5098.4	1604	5262.5	1654	5426.5	1704	5590.5	1754	5754.6
1405	4609.6	1455	4773.6	1505	4937.7	1555	5101.7	1605	5265.7	1655	5429.8	1705	5593.8	1755	5757.9
1406	4612.9	1456	4776.9	1506	4940.9	1556	5105.0	1606	5269.0	1656	5433.1	1706	5597.1	1756	5761.1
1407	4616.1	1457	4780.2	1507	4944.2	1557	5108.3	1607	5272.3	1657	5436.3	1707	5600.4	1757	5764.4
1408	4619.4	1458	4783.5	1508	4947.5	1558	5111.5	1608	5275.6	1658	5439.6	1708	5603.7	1758	5767.7
1409	4622.7	1459	4786.7	1509	4950.8	1559	5114.8	1609	5278.9	1659	5442.9	1709	5606.9	1759	5771.0
1410	4626.0	1460	4790.0	1510	4954.1	1560	5118.1	1610	5282.1	1660	5446.2	1710	5610.2	1760	5774.3
1411	4629.3	1461	4793.3	1511	4957.3	1561	5121.4	1611	5285.4	1661	5449.5	1711	5613.5	1761	5777.5
1412	4632.5	1462	4796.6	1512	4960.6	1562	5124.7	1612	5288.7	1662	5452.7	1712	5616.8	1762	5780.8
1413	4635.8	1463	4799.9	1513	4963.9	1563	5127.9	1613	5292.0	1663	5456.0	1713	5620.1	1763	5784.1
1414	4639.1	1464	4803.1	1514	4967.2	1564	5131.2	1614	5295.3	1664	5459.3	1714	5623.3	1764	5787.4
1415	4642.4	1465	4806.4	1515	4970.5	1565	5134.5	1615	5298.5	1665	5462.6	1715	5626.6	1765	5790.7
1416	4645.7	1466	4809.7	1516	4973.7	1566	5137.8	1616	5301.8	1666	5465.9	1716	5629.9	1766	5794.0
1417	4648.9	1467	4813.0	1517	4977.0	1567	5141.1	1617	5305.1	1667	5469.1	1717	5633.2	1767	5797.2
1418	4652.2	1468	4816.3	1518	4980.3	1568	5144.3	1618	5308.4	1668	5472.4	1718	5636.5	1768	5800.5
1419	4655.5	1469	4819.5	1519	4983.6	1569	5147.6	1619	5311.7	1669	5475.7	1719	5639.8	1769	5803.8
1420	4658.8	1470	4822.8	1520	4986.9	1570	5150.9	1620	5314.9	1670	5479.0	1720	5643.0	1770	5807.1
1421	4662.1	1471	4826.1	1521	4990.1	1571	5154.2	1621	5318.2	1671	5482.3	1721	5646.3	1771	5810.4
1422	4665.3	1472	4829.4	1522	4993.4	1572	5157.5	1622	5321.5	1672	5485.6	1722	5649.6	1772	5813.6
1423	4668.6	1473	4832.7	1523	4996.7	1573	5160.8	1623	5324.8	1673	5488.8	1723	5652.9	1773	5816.9
1424	4671.9	1474	4835.9	1524	5000.0	1574	5164.0	1624	5328.1	1674	5492.1	1724	5656.2	1774	5820.2
1425	4675.2	1475	4839.2	1525	5003.3	1575	5167.3	1625	5331.4	1675	5495.4	1725	5659.4	1775	5823.5
1426	4678.5	1476	4842.5	1526	5006.6	1576	5170.6	1626	5334.6	1676	5498.7	1726	5662.7	1776	5826.8
1427	4681.7	1477	4845.8	1527	5009.8	1577	5173.9	1627	5337.9	1677	5502.0	1727	5666.0	1777	5830.0
1428	4685.0	1478	4849.1	1528	5013.1	1578	5177.2	1628	5341.2	1678	5505.2	1728	5669.3	1778	5833.3
1429	4688.3	1479	4852.4	1529	5016.4	1579	5180.4	1629	5344.5	1679	5508.5	1729	5672.6	1779	5836.6
1430	4691.6	1480	4855.6	1530	5019.7	1580	5183.7	1630	5347.8	1680	5511.8	1730	5675.8	1780	5839.9
1431	4694.9	1481	4858.9	1531	5023.0	1581	5187.0	1631	5351.0	1681	5515.1	1731	5679.1	1781	5843.2
1432	4698.2	1482	4362.2	1532	5026.2	1582	5190.3	1632	5354.3	1682	5518.4	1732	5682.4	1782	5846.4
1433	4701.4	1483	4865.5	1533	5029.5	1583	5193.6	1633	5357.6	1683	5521.6	1733	5685.7	1783	5849.7
1434	4704.7	1484	4868.8	1534	5032.8	1584	5196.8	1634	5360.9	1684	5524.9	1734	5689.0	1784	5853.0
1435	4708.0	1485	4872.0	1535	5036.1	1585	5200.1	1635	5364.2	1685	5528.2	1735	5692.2	1785	5856.3
1436	4711.3	1486	4875.3	1536	5039.4	1586	5203.4	1636	5367.4	1686	5531.5	1736	5695.5	1786	5859.6
1437	4714.6	1487	4878.6	1537	5042.6	1587	5206.7	1637	5370.7	1687	5534.8	1737	5698.8	1787	5862.8
1438	4717.8	1488	4881.9	1538	5045.9	1588	5210.0	1638	5374.0	1688	5538.0	1738	5702.1	1788	5866.1
1439	4721.1	1489	4885.2	1539	5049.2	1589	5213.2	1639	5377.3	1689	5541.3	1739	5705.4	1789	5869.4
1440	4724.4	1490	4888.4	1540	5052.5	1590	5216.5	1640	5380.6	1690	5544.6	1740	5708.6	1790	5872.7
1441	4727.7	1491	4891.7	1541	5055.8	1591	5219.8	1641	5383.8	1691	5547.9	1741	5711.9	1791	5876.0
1442	4731.0	1492	4895.0	1542	5059.0	1592	5223.1	1642	5387.1	1692	5551.2	1742	5715.2	1792	5879.3
1443	4734.2	1493	4898.3	1543	5062.3	1593	5226.4	1643	5390.4	1693	5554.5	1743	5718.5	1793	5882.5
1444	4737.5	1494	4901.6	1544	5065.6	1594	5229.6	1644	5393.7	1694	5557.7	1744	5721.8	1794	5885.8
1445	4740.8	1495	4904.8	1545	5068.9	1595	5232.9	1645	5397.0	1695	5561.0	1745	5725.1	1795	5889.1
1446	4744.1	1496	4908.1	1546	5072.2	1596	5236.2	1646	5400.3	1696	5564.3	1746	5728.3	1796	5892.4
1447	4747.4	1497	4911.4	1547	5075.4	1597	5239.5	1647	5403.5	1697	5567.6	1747	5731.6	1797	5895.7
1448	4750.6	1498	4914.7	1548	5078.7	1598	5242.8	1648	5406.8	1698	5570.9	1748	5734.9	1798	5898.9
1449	4753.9	1499	4918.0	1549	5082.0	1599	5246.1	1649	5410.1	1699	5574.1	1749	5738.2	1799	5902.2

TABLE 13.—Oxygen Conversions

Conversion from milligram-atoms per liter to milliliters per liter
(1 milligram-atom per liter of O_2 = 11.196 milliliters per liter of O_2)

Milligram-atoms/liter of O_2	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
0.00	0.00	0.01	0.02	0.03	0.04	0.06	0.07	0.08	0.09	0.10
0.01	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19	0.20	0.21
0.02	0.22	0.24	0.25	0.26	0.27	0.28	0.29	0.30	0.31	0.32
0.03	0.34	0.35	0.36	0.37	0.38	0.39	0.40	0.41	0.43	0.44
0.04	0.45	0.46	0.47	0.48	0.49	0.50	0.52	0.53	0.54	0.55
0.05	0.56	0.57	0.58	0.59	0.60	0.62	0.63	0.64	0.65	0.66
0.06	0.67	0.68	0.69	0.71	0.72	0.73	0.74	0.75	0.76	0.77
0.07	0.78	0.79	0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.88
0.08	0.90	0.91	0.92	0.93	0.94	0.95	0.96	0.97	0.99	1.00
0.09	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.09	1.10	1.11
0.10	1.12	1.13	1.14	1.15	1.16	1.18	1.19	1.20	1.21	1.22
0.11	1.23	1.24	1.25	1.27	1.28	1.29	1.30	1.31	1.32	1.33
0.12	1.34	1.35	1.37	1.38	1.39	1.40	1.41	1.42	1.43	1.44
0.13	1.46	1.47	1.48	1.49	1.50	1.51	1.52	1.53	1.55	1.56
0.14	1.57	1.58	1.59	1.60	1.61	1.62	1.63	1.65	1.66	1.67
0.15	1.68	1.69	1.70	1.71	1.72	1.74	1.75	1.76	1.77	1.78
0.16	1.79	1.80	1.81	1.82	1.84	1.85	1.86	1.87	1.88	1.89
0.17	1.90	1.91	1.93	1.94	1.95	1.96	1.97	1.98	1.99	2.00
0.18	2.02	2.03	2.04	2.05	2.06	2.07	2.08	2.09	2.10	2.12
0.19	2.13	2.14	2.15	2.16	2.17	2.18	2.19	2.21	2.22	2.23
0.20	2.24	2.25	2.26	2.27	2.28	2.30	2.31	2.32	2.33	2.34
0.21	2.35	2.36	2.37	2.38	2.40	2.41	2.42	2.43	2.44	2.45
0.22	2.46	2.47	2.49	2.50	2.51	2.52	2.53	2.54	2.55	2.56
0.23	2.58	2.59	2.60	2.61	2.62	2.63	2.64	2.65	2.66	2.68
0.24	2.69	2.70	2.71	2.72	2.73	2.74	2.75	2.77	2.78	2.79
0.25	2.80	2.81	2.82	2.83	2.84	2.85	2.87	2.88	2.89	2.90
0.26	2.91	2.92	2.93	2.94	2.96	2.97	2.98	2.99	3.00	3.01
0.27	3.02	3.03	3.05	3.06	3.07	3.08	3.09	3.10	3.11	3.12
0.28	3.13	3.15	3.16	3.17	3.18	3.19	3.20	3.21	3.22	3.24
0.29	3.25	3.26	3.27	3.28	3.29	3.30	3.31	3.33	3.34	3.35
0.30	3.36	3.37	3.38	3.39	3.40	3.41	3.43	3.44	3.45	3.46

(National Oceanographic Data Center, 1962)

TABLE 13.—Oxygen Conversions—Continued

Conversion from milligram-atoms per liter to milliliters per liter
(1 milligram-atom per liter of O_2 = 11.196 milliliters per liter of O_2)

Milligram-atoms/liter of O_2	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
0.31	3.47	3.48	3.49	3.50	3.52	3.53	3.54	3.55	3.56	3.57
0.32	3.58	3.59	3.61	3.62	3.63	3.64	3.65	3.66	3.67	3.68
0.33	3.69	3.71	3.72	3.73	3.74	3.75	3.76	3.77	3.78	3.80
0.34	3.81	3.82	3.83	3.84	3.85	3.86	3.87	3.89	3.90	3.91
0.35	3.92	3.93	3.94	3.95	3.96	3.97	3.99	4.00	4.01	4.02
0.36	4.03	4.04	4.05	4.06	4.08	4.09	4.10	4.11	4.12	4.13
0.37	4.14	4.15	4.16	4.18	4.19	4.20	4.21	4.22	4.23	4.24
0.38	4.25	4.27	4.28	4.29	4.30	4.31	4.32	4.33	4.34	4.36
0.39	4.37	4.38	4.39	4.40	4.41	4.42	4.43	4.44	4.46	4.47
0.40	4.48	4.49	4.50	4.51	4.52	4.53	4.55	4.56	4.57	4.58
0.41	4.59	4.60	4.61	4.62	4.64	4.65	4.66	4.67	4.68	4.69
0.42	4.70	4.71	4.72	4.74	4.75	4.76	4.77	4.78	4.79	4.80
0.43	4.81	4.83	4.84	4.85	4.86	4.87	4.88	4.89	4.90	4.92
0.44	4.93	4.94	4.95	4.96	4.97	4.98	4.99	5.00	5.02	5.03
0.45	5.04	5.05	5.06	5.07	5.08	5.09	5.11	5.12	5.13	5.14
0.46	5.15	5.16	5.17	5.18	5.19	5.21	5.22	5.23	5.24	5.25
0.47	5.26	5.27	5.28	5.30	5.31	5.32	5.33	5.34	5.35	5.36
0.48	5.37	5.39	5.40	5.41	5.42	5.43	5.44	5.45	5.46	5.47
0.49	5.49	5.50	5.51	5.52	5.53	5.54	5.55	5.56	5.58	5.59
0.50	5.60	5.61	5.62	5.63	5.64	5.65	5.67	5.68	5.69	5.70
0.51	5.71	5.72	5.73	5.74	5.75	5.77	5.78	5.79	5.80	5.81
0.52	5.82	5.83	5.84	5.86	5.87	5.88	5.89	5.90	5.91	5.92
0.53	5.93	5.95	5.96	5.97	5.98	5.99	6.00	6.01	6.02	6.03
0.54	6.05	6.06	6.07	6.08	6.09	6.10	6.11	6.12	6.14	6.15
0.55	6.16	6.17	6.18	6.19	6.20	6.21	6.22	6.24	6.25	6.26
0.56	6.27	6.28	6.29	6.30	6.31	6.33	6.34	6.35	6.36	6.37
0.57	6.38	6.39	6.40	6.42	6.43	6.44	6.45	6.46	6.47	6.48
0.58	6.49	6.50	6.52	6.53	6.54	6.55	6.56	6.57	6.58	6.59
0.59	6.61	6.62	6.63	6.64	6.65	6.66	6.67	6.68	6.70	6.71
0.60	6.72	6.73	6.74	6.75	6.76	6.77	6.78	6.80	6.81	6.82

TABLE 13.—Oxygen Conversions—Continued

Conversion from milligram-atoms per liter to milliliters per liter
(1 milligram-atom per liter of O_2 = 11.196 milliliters per liter of O_2)

Milligram-atoms/liter of O_2	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
0.61	6.83	6.84	6.85	6.86	6.87	6.89	6.90	6.91	6.92	6.93
0.62	6.94	6.95	6.96	6.98	6.99	7.00	7.01	7.02	7.03	7.04
0.63	7.05	7.06	7.08	7.09	7.10	7.11	7.12	7.13	7.14	7.15
0.64	7.17	7.18	7.19	7.20	7.21	7.22	7.23	7.24	7.26	7.27
0.65	7.28	7.29	7.30	7.31	7.32	7.33	7.34	7.36	7.37	7.38
0.66	7.39	7.40	7.41	7.42	7.43	7.45	7.46	7.47	7.48	7.49
0.67	7.50	7.51	7.52	7.53	7.55	7.56	7.57	7.58	7.59	7.60
0.68	7.61	7.62	7.64	7.65	7.66	7.67	7.68	7.69	7.70	7.71
0.69	7.73	7.74	7.75	7.76	7.77	7.78	7.79	7.80	7.81	7.83
0.70	7.84	7.85	7.86	7.87	7.88	7.89	7.90	7.92	7.93	7.94
0.71	7.95	7.96	7.97	7.98	7.99	8.01	8.02	8.03	8.04	8.05
0.72	8.06	8.07	8.08	8.09	8.11	8.12	8.13	8.14	8.15	8.16
0.73	8.17	8.18	8.20	8.21	8.22	8.23	8.24	8.25	8.26	8.27
0.74	8.29	8.30	8.31	8.32	8.33	8.34	8.35	8.36	8.37	8.39
0.75	8.40	8.41	8.42	8.43	8.44	8.45	8.46	8.48	8.49	8.50
0.76	8.51	8.52	8.53	8.54	8.55	8.56	8.58	8.59	8.60	8.61
0.77	8.62	8.63	8.64	8.65	8.67	8.68	8.69	8.70	8.71	8.72
0.78	8.73	8.74	8.76	8.77	8.78	8.79	8.80	8.81	8.82	8.83
0.79	8.84	8.86	8.87	8.88	8.89	8.90	8.91	8.92	8.93	8.95
0.80	8.96	8.97	8.98	8.99	9.00	9.01	9.02	9.04	9.05	9.06
0.81	9.07	9.08	9.09	9.10	9.11	9.12	9.14	9.15	9.16	9.17
0.82	9.18	9.19	9.20	9.21	9.23	9.24	9.25	9.26	9.27	9.28
0.83	9.29	9.30	9.32	9.33	9.34	9.35	9.36	9.37	9.38	9.39
0.84	9.40	9.42	9.43	9.44	9.45	9.46	9.47	9.48	9.49	9.51
0.85	9.52	9.53	9.54	9.55	9.56	9.57	9.58	9.59	9.61	9.62
0.86	9.63	9.64	9.65	9.66	9.67	9.68	9.70	9.71	9.72	9.73
0.87	9.74	9.75	9.76	9.77	9.79	9.80	9.81	9.82	9.83	9.84
0.88	9.85	9.86	9.87	9.89	9.90	9.91	9.92	9.93	9.94	9.95
0.89	9.96	9.98	9.99	10.00	10.01	10.02	10.03	10.04	10.05	10.07
0.90	10.08	10.09	10.10	10.11	10.12	10.13	10.14	10.15	10.17	10.18

TABLE 13.—Oxygen Conversions—Continued

**Conversion from milligram-atoms per liter to milliliters per liter
(1 milligram-atom per liter of O_2 = 11.196 milliliters per liter of O_2)**

Milligram-atoms/liter of O_2	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
0.91	10.19	10.20	10.21	10.22	10.23	10.24	10.26	10.27	10.28	10.29
0.92	10.30	10.31	10.32	10.33	10.35	10.36	10.37	10.38	10.39	10.40
0.93	10.41	10.42	10.43	10.45	10.46	10.47	10.48	10.49	10.50	10.51
0.94	10.52	10.54	10.55	10.56	10.57	10.58	10.59	10.60	10.61	10.63
0.95	10.64	10.65	10.66	10.67	10.68	10.69	10.70	10.71	10.73	10.74
0.96	10.75	10.76	10.77	10.78	10.79	10.80	10.82	10.83	10.84	10.85
0.97	10.86	10.87	10.88	10.89	10.90	10.92	10.93	10.94	10.95	10.96
0.98	10.97	10.98	10.99	11.01	11.02	11.03	11.04	11.05	11.06	11.07
0.99	11.08	11.10	11.11	11.12	11.13	11.14	11.15	11.16	11.17	11.18
1.00	11.20	11.21	11.22	11.23	11.24	11.25	11.26	11.27	11.29	11.30
1.01	11.31	11.32	11.33	11.34	11.35	11.36	11.38	11.39	11.40	11.41
1.02	11.42	11.43	11.44	11.45	11.46	11.48	11.49	11.50	11.51	11.52
1.03	11.53	11.54	11.55	11.57	11.58	11.59	11.60	11.61	11.62	11.63
1.04	11.64	11.66	11.67	11.68	11.69	11.70	11.71	11.72	11.73	11.74
1.05	11.76	11.77	11.78	11.79	11.80	11.81	11.82	11.83	11.85	11.86
1.06	11.87	11.88	11.89	11.90	11.91	11.92	11.93	11.95	11.96	11.97
1.07	11.98	11.99	12.00	12.01	12.02	12.04	12.05	12.06	12.07	12.08
1.08	12.09	12.10	12.11	12.13	12.14	12.15	12.16	12.17	12.18	12.19
1.09	12.20	12.21	12.23	12.24	12.25	12.26	12.27	12.28	12.29	12.30
1.10	12.32	12.33	12.34	12.35	12.36	12.37	12.38	12.39	12.41	12.42
1.11	12.43	12.44	12.45	12.46	12.47	12.48	12.49	12.51	12.52	12.53
1.12	12.54	12.55	12.56	12.57	12.58	12.60	12.61	12.62	12.63	12.64
1.13	12.65	12.66	12.67	12.69	12.70	12.71	12.72	12.73	12.74	12.75
1.14	12.76	12.77	12.79	12.80	12.81	12.82	12.83	12.84	12.85	12.86
1.15	12.88	12.89	12.90	12.91	12.92	12.93	12.94	12.95	12.96	12.98
1.16	12.99	13.00	13.01	13.02	13.03	13.04	13.05	13.07	13.08	13.09
1.17	13.10	13.11	13.12	13.13	13.14	13.16	13.17	13.18	13.19	13.20
1.18	13.21	13.22	13.23	13.24	13.26	13.27	13.28	13.29	13.30	13.31
1.19	13.32	13.33	13.35	13.36	13.37	13.38	13.39	13.40	13.41	13.42
1.20	13.44	13.45	13.46	13.47	13.48	13.49	13.50	13.51	13.52	13.54

TABLE 13. Oxygen Conversions—Continued

Conversion from milligram-atoms per liter to milliliters per liter
(1 milligram-atom per liter of O_2 = 11.196 milliliters per liter of O_2)

Milligram-atoms/liter of O_2	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
1.21	13.55	13.56	13.57	13.58	13.59	13.60	13.61	13.63	13.64	13.65
1.22	13.66	13.67	13.68	13.69	13.70	13.72	13.73	13.74	13.75	13.76
1.23	13.77	13.78	13.79	13.80	13.82	13.83	13.84	13.85	13.86	13.87
1.24	13.88	13.89	13.91	13.92	13.93	13.94	13.95	13.96	13.97	13.98
1.25	14.00	14.01	14.02	14.03	14.04	14.05	14.06	14.07	14.08	14.10
1.26	14.11	14.12	14.13	14.14	14.15	14.16	14.17	14.19	14.20	14.21
1.27	14.22	14.23	14.24	14.25	14.26	14.27	14.29	14.30	14.31	14.32
1.28	14.33	14.34	14.35	14.36	14.38	14.39	14.40	14.41	14.42	14.43
1.29	14.44	14.45	14.47	14.48	14.49	14.50	14.51	14.52	14.53	14.54
1.30	14.55	14.57	14.58	14.59	14.60	14.61	14.62	14.63	14.64	14.66
1.31	14.67	14.68	14.69	14.70	14.71	14.72	14.73	14.75	14.76	14.77
1.32	14.78	14.79	14.80	14.81	14.82	14.83	14.85	14.86	14.87	14.88
1.33	14.89	14.90	14.91	14.92	14.94	14.95	14.96	14.97	14.98	14.99
1.34	15.00									

TABLE 13.—Oxygen Conversions—Continued

Conversion from milligrams per liter to milliliters per liter (NTP)
(1 mg/l = 0.6998 ml/l)

Milligrams per Liter of O_2	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
0.0	0.00	0.01	0.01	0.02	0.03	0.03	0.04	0.05	0.06	0.06
0.1	0.07	0.08	0.08	0.09	0.10	0.10	0.11	0.12	0.13	0.13
0.2	0.14	0.15	0.15	0.16	0.17	0.17	0.18	0.19	0.20	0.20
0.3	0.21	0.22	0.22	0.23	0.24	0.24	0.25	0.26	0.27	0.27
0.4	0.28	0.29	0.29	0.30	0.31	0.31	0.32	0.33	0.34	0.34
0.5	0.35	0.36	0.36	0.37	0.38	0.38	0.39	0.40	0.41	0.41
0.6	0.42	0.43	0.43	0.44	0.45	0.45	0.46	0.47	0.48	0.48
0.7	0.49	0.50	0.50	0.51	0.52	0.52	0.53	0.54	0.55	0.55
0.8	0.56	0.57	0.57	0.58	0.59	0.59	0.60	0.61	0.62	0.62
0.9	0.63	0.64	0.64	0.65	0.66	0.66	0.67	0.68	0.69	0.69

milligrams/liter	milliliters/liter	milligrams/liter	milliliters/liter
1.0	0.70	12.0	8.40
2.0	1.40	13.0	9.10
3.0	2.10	14.0	9.80
4.0	2.80	15.0	10.50
5.0	3.50	16.0	11.20
6.0	4.20	17.0	11.90
7.0	4.90	18.0	12.60
8.0	5.60	19.0	13.30
9.0	6.30	20.0	14.00
10.0	7.00	21.0	14.70
11.0	7.70	22.0	15.40

Example: Convert 5.65 milligrams/liter of O_2 to milliliters/liter.

5.00 milligrams/liter = 3.50
0.65 milligrams/liter = 0.45
3.95 milliliters/liter (ans.)

TABLE 14.—Phosphorus Conversions

Conversion from micrograms per liter of inorganic P to microgram-atoms per liter of P

(1 µg of P = 0.032285 µg-at of P)

Micrograms per Liter of inorganic P	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03

Micrograms per Liter of inorganic P	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
00	0.00	0.03	0.06	0.10	0.13	0.16	0.19	0.23	0.26	0.29
10	0.32	0.36	0.39	0.42	0.45	0.48	0.52	0.55	0.58	0.61
20	0.65	0.68	0.71	0.74	0.77	0.81	0.84	0.87	0.90	0.94
30	0.97	1.00	1.03	1.07	1.10	1.13	1.16	1.19	1.23	1.26
40	1.29	1.32	1.36	1.39	1.42	1.45	1.49	1.52	1.55	1.58
50	1.61	1.65	1.68	1.71	1.74	1.78	1.81	1.84	1.87	1.90
60	1.94	1.97	2.00	2.03	2.07	2.10	2.13	2.16	2.20	2.23
70	2.26	2.29	2.32	2.36	2.39	2.42	2.45	2.49	2.52	2.55
80	2.58	2.62	2.65	2.68	2.71	2.74	2.78	2.81	2.84	2.87
90	2.91	2.94	2.97	3.00	3.03	3.07	3.10	3.13	3.16	3.20
100	3.23	3.26	3.29	3.33	3.36	3.39	3.42	3.45	3.49	3.52
110	3.55	3.58	3.62	3.65	3.68	3.71	3.75	3.78	3.81	3.84
120	3.87	3.91	3.94	3.97	4.00	4.04	4.07	4.10	4.13	4.16

(National Oceanographic Data Center, 1962)

TABLE 15 Phosphate Conversions

Conversion from micrograms per liter of PO_4 to microgram-atoms per liter of PO_4-P

(1 g of PO_4 = 0.010529 g-at of PO_4-P)

Micrograms per Liter of PO_4	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01

Micrograms per Liter of PO_4	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
00	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20
20	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.31
30	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.40	0.41
40	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.51	0.52
50	0.53	0.54	0.55	0.56	0.57	0.58	0.59	0.60	0.61	0.62
60	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.71	0.72	0.73
70	0.74	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.83
80	0.84	0.85	0.86	0.87	0.88	0.89	0.91	0.92	0.93	0.94
90	0.95	0.96	0.97	0.98	0.99	1.00	1.01	1.02	1.03	1.04
100	1.05	1.06	1.07	1.08	1.10	1.11	1.12	1.13	1.14	1.15
110	1.16	1.17	1.18	1.19	1.20	1.21	1.22	1.23	1.24	1.25
120	1.26	1.27	1.28	1.30	1.31	1.32	1.33	1.34	1.35	1.36
130	1.37	1.38	1.39	1.40	1.41	1.42	1.43	1.44	1.45	1.46
140	1.47	1.48	1.50	1.51	1.52	1.53	1.54	1.55	1.56	1.57
150	1.58	1.59	1.60	1.61	1.62	1.63	1.64	1.65	1.66	1.67
160	1.68	1.70	1.71	1.72	1.73	1.74	1.75	1.76	1.77	1.78
170	1.79	1.80	1.81	1.82	1.83	1.84	1.85	1.86	1.87	1.88
180	1.90	1.91	1.92	1.93	1.94	1.95	1.96	1.97	1.98	1.99
190	2.00	2.01	2.02	2.03	2.04	2.05	2.06	2.07	2.08	2.10
200	2.11	2.12	2.13	2.14	2.15	2.16	2.17	2.18	2.19	2.20
210	2.21	2.22	2.23	2.24	2.25	2.26	2.27	2.28	2.30	2.31
220	2.32	2.33	2.34	2.35	2.36	2.37	2.38	2.39	2.40	2.41
230	2.42	2.43	2.44	2.45	2.46	2.47	2.48	2.50	2.51	2.52
240	2.53	2.54	2.55	2.56	2.57	2.58	2.59	2.60	2.61	2.62
250	2.63	2.64	2.65	2.66	2.67	2.68	2.70	2.71	2.72	2.73
260	2.74	2.75	2.76	2.77	2.78	2.79	2.80	2.81	2.82	2.83
270	2.84	2.85	2.86	2.87	2.88	2.90	2.91	2.92	2.93	2.94
280	2.95	2.96	2.97	2.98	2.99	3.00	3.01	3.02	3.03	3.04
290	3.05	3.06	3.07	3.08	3.10	3.11	3.12	3.13	3.14	3.15
300	3.16	3.17	3.18	3.19	3.20	3.21	3.22	3.23	3.24	3.25
310	3.26	3.27	3.29	3.30	3.31	3.32	3.33	3.34	3.35	3.36
320	3.37	3.38	3.39	3.40	3.41	3.42	3.43	3.44	3.45	3.46
330	3.47	3.49	3.50	3.51	3.52	3.53	3.54	3.55	3.56	3.57
340	3.58	3.59	3.60	3.61	3.62	3.63	3.64	3.65	3.66	3.67
350	3.69	3.70	3.71	3.72	3.73	3.74	3.75	3.76	3.77	3.78

National Oceanographic Data Center 1962

TABLE 16. Nitrite Conversions

Conversion from micrograms per liter of NO_2 to microgram-atoms per liter of NO_2-N
(1 µg of NO_2 = 0.0217365 µg - at of NO_2-N)

Micrograms per Liter of NO_2	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
00	0.00	0.02	0.04	0.07	0.09	0.11	0.13	0.15	0.17	0.20
10	0.22	0.24	0.26	0.28	0.30	0.33	0.35	0.37	0.39	0.41
20	0.43	0.46	0.48	0.50	0.52	0.54	0.57	0.59	0.61	0.63
30	0.65	0.67	0.70	0.72	0.74	0.76	0.78	0.80	0.83	0.85
40	0.87	0.89	0.91	0.93	0.96	0.98	1.00	1.02	1.04	1.07
50	1.09	1.11	1.13	1.15	1.17	1.20	1.22	1.24	1.26	1.28
60	1.30	1.33	1.35	1.37	1.39	1.41	1.43	1.46	1.48	1.50
70	1.52	1.54	1.57	1.59	1.61	1.63	1.65	1.67	1.70	1.72
80	1.74	1.76	1.78	1.80	1.83	1.85	1.87	1.89	1.91	1.93
90	1.96	1.98	2.00	2.02	2.04	2.06	2.09	2.11	2.13	2.15
100	2.17	2.20	2.22	2.24	2.26	2.28	2.30	2.33	2.35	2.37
110	2.39	2.41	2.43	2.46	2.48	2.50	2.52	2.54	2.56	2.59
120	2.61	2.63	2.65	2.67	2.70	2.72	2.74	2.76	2.78	2.80
130	2.83	2.85	2.87	2.89	2.91	2.93	2.96	2.98	3.00	3.02
140	3.04	3.06	3.09	3.11	3.13	3.15	3.17	3.20	3.22	3.24
150	3.26	3.28	3.30	3.33	3.35	3.37	3.39	3.41	3.43	3.46
160	3.48	3.50	3.52	3.54	3.56	3.59	3.61	3.63	3.65	3.67
170	3.70	3.72	3.74	3.76	3.78	3.80	3.83	3.85	3.87	3.89
180	3.91	3.93	3.96	3.98	4.00	4.02	4.04	4.06	4.09	4.11
190	4.13	4.15	4.17	4.20	4.22	4.24	4.26	4.28	4.30	4.33
200	4.35	4.37	4.39	4.41	4.43	4.46	4.48	4.50	4.52	4.54

(National Oceanographic Data Center, 1962)

TABLE 17. Nitrate Conversions

Conversion from micrograms per liter of NO_3 to microgram-atoms per liter of NO_3-N

Micrograms per liter of NO_3	00	01	02	03	04	05	06	07	08	09
00	00.0	00.0	00.0	00.0	00.1	00.1	00.1	00.1	00.1	00.1
10	00.2	00.2	00.2	00.2	00.2	00.2	00.3	00.3	00.3	00.3
20	00.3	00.3	00.4	00.4	00.4	00.4	00.4	00.4	00.5	00.5
30	00.5	00.5	00.5	00.5	00.5	00.6	00.6	00.6	00.6	00.6
40	00.6	00.7	00.7	00.7	00.7	00.7	00.7	00.8	00.8	00.8
50	00.8	00.8	00.8	00.9	00.9	00.9	00.9	00.9	00.9	01.0
60	01.0	01.0	01.0	01.0	01.0	01.0	01.1	01.1	01.1	01.1
70	01.1	01.1	01.2	01.2	01.2	01.2	01.2	01.2	01.3	01.3
80	01.3	01.3	01.3	01.3	01.4	01.4	01.4	01.4	01.4	01.4
90	01.5	01.5	01.5	01.5	01.5	01.5	01.5	01.6	01.6	01.6

Micrograms per liter of NO_3	00	10	20	30	40	50	60	70	80	90
100	01.6	01.8	01.9	02.1	02.3	02.4	02.6	02.7	02.9	03.1
200	03.2	03.4	03.5	03.7	03.9	04.0	04.2	04.4	04.5	04.7
300	04.8	05.0	05.2	05.3	05.5	05.6	05.8	06.0	06.1	06.3
400	06.5	06.6	06.8	06.9	07.1	07.3	07.4	07.6	07.7	07.9
500	08.1	08.2	08.4	08.5	08.7	08.9	09.0	09.2	09.4	09.5
600	09.7	09.8	10.0	10.2	10.3	10.5	10.6	10.8	11.0	11.1
700	11.3	11.5	11.6	11.8	11.9	12.1	12.3	12.4	12.6	12.7
800	12.9	13.1	13.2	13.4	13.5	13.7	13.9	14.0	14.2	14.4
900	14.5	14.7	14.8	15.0	15.2	15.3	15.5	15.6	15.8	16.0
1000	16.1	16.3	16.5	16.6	16.8	16.9	17.1	17.3	17.4	17.6
1100	17.7	17.9	18.1	18.2	18.4	18.5	18.7	18.9	19.0	19.2
1200	19.4	19.5	19.7	19.8	20.0	20.2	20.3	20.5	20.6	20.8
1300	21.0	21.1	21.3	21.4	21.6	21.8	21.9	22.1	22.3	22.4
1400	22.6	22.7	22.9	23.1	23.2	23.4	23.5	23.7	23.9	24.0
1500	24.2	24.4	24.5	24.7	24.8	25.0	25.2	25.3	25.5	25.6
1600	25.8	26.0	26.1	26.3	26.4	26.6	26.8	26.9	27.1	27.3
1700	27.4	27.6	27.7	27.9	28.1	28.2	28.4	28.5	28.7	28.9
1800	29.0	29.2	29.4	29.5	29.7	29.8	30.0	30.2	30.3	30.5
1900	30.6	30.8	31.0	31.1	31.3	31.4	31.6	31.8	31.9	32.1
2000	32.3	32.4	32.6	32.7	32.9	33.1	33.2	33.4	33.5	33.7
2100	33.9	34.0	34.2	34.4	34.5	34.7	34.8	35.0	35.2	35.3
2200	35.5	35.6	35.8	36.0	36.1	36.3	36.4	36.6	36.8	36.9
2300	37.1	37.3	37.4	37.6	37.7	37.9	38.1	38.2	38.4	38.5
2400	38.7	38.9	39.0	39.2	39.4	39.5	39.7	39.8	40.0	40.2
2500	40.3	40.5	40.6	40.8	41.0	41.1	41.3	41.4	41.6	41.8
2600	41.9	42.1	42.3	42.4	42.6	42.7	42.9	43.1	43.2	43.4
2700	43.5	43.7	43.9	44.0	44.2	44.4	44.5	44.7	44.8	45.0
2800	45.2	45.3	45.5	45.6	45.8	46.0	46.1	46.3	46.4	46.6
2900	46.8	46.9	47.1	47.3	47.4	47.6	47.7	47.9	48.1	48.2
3000	48.4	48.5	48.7	48.9	49.0	49.2	49.4	49.5	49.7	49.8

NOTE: Conversion of values not given directly in the tables are derived by addition.

(National Oceanographic Data Center, 1962)

TABLE 18. Silicon Conversions

Conversion from micrograms per liter of Si to microgram-atoms per liter of Si
(1 μg of Si = 0.0356049 μg-atom Si)

Micrograms per Liter of Si	00	10	20	30	40	50	60	70	80	90
000	000	000	001	001	001	002	002	002	003	003
100	004	004	004	005	005	005	006	006	006	007
200	007	007	008	008	009	009	009	010	010	010
300	011	011	011	012	012	012	013	013	014	014
400	014	015	015	015	016	016	016	017	017	017
500	018	018	019	019	019	020	020	020	021	021
600	021	022	022	022	023	023	023	024	024	025
700	025	025	026	026	026	027	027	027	028	028
800	028	029	029	030	030	030	031	031	031	032
900	032	032	033	033	033	034	034	035	035	035

Micrograms per Liter of Si	000	100	200	300	400	500	600	700	800	900
1000	036	039	043	046	050	053	057	061	064	068
2000	071	075	078	082	085	089	093	096	100	103
3000	107	110	114	117	121	125	128	132	135	139
4000	142	146	150	153	157	160	164	167	171	174
5000	178	182	185	189	192	196	199	203	207	210
6000	214	217	221	224	228	231	235	239	242	246
7000	249	253	256	260	263	267	271	274	278	281
8000	285	288	292	296	299	303	306	310	313	317

EXAMPLE I:

Assume an initial value of 4200. Since this value lies within the range 1000 - 8900, use lower portion of above table. Enter left hand column at 4000, proceed horizontally to the right to column headed 200, and read 150.

EXAMPLE II:

Assume an initial value of 4180. Since this value is not recorded explicitly in the table, the conversion can be made by one of two methods:

(1) Interpolation between 4100 and 4200 to nearest whole number, 149:

or (2) Since 4180 = 4100 + 80, find 146 corresponding to 4100 and 003 corresponding to 80.
Add 146 and 003 to get 149.

(National Oceanographic Data Center, 1962)

TABLE 19.- Silicon Dioxide Conversions

Conversion from micrograms per liter of SiO_2 to microgram-atoms per liter of SiO_2-Si
(1 µg of SiO_2 = 0.016643 µg-atom of Si)

Micrograms per Liter of SiO_2	00	10	20	30	40	50	60	70	80	90
000	000	000	000	000	001	001	001	001	001	001
100	002	002	002	002	002	002	003	003	003	003
200	003	003	004	004	004	004	004	004	005	005
300	005	005	005	005	006	006	006	006	006	006
400	007	007	007	007	007	007	008	008	008	008
500	008	008	009	009	009	009	009	009	010	010
600	010	010	010	010	011	011	011	011	011	011
700	012	012	012	012	012	012	013	013	013	013
800	013	013	014	014	014	014	014	014	015	015
900	015	015	015	015	016	016	016	016	016	016

Micrograms per Liter of SiO_2	000	100	200	300	400	500	600	700	800	900
1000	017	018	020	022	023	025	027	028	030	032
2000	033	035	037	038	040	042	043	045	047	048
3000	050	052	053	055	057	058	060	062	063	065
4000	067	068	070	072	073	075	077	078	080	082
5000	083	085	087	088	090	092	093	095	097	098
6000	100	102	103	105	107	108	110	112	113	115
7000	117	118	120	121	123	125	126	128	130	131
8000	133	135	136	138	140	141	143	145	146	148
9000	150	151	153	155	156	158	160	161	163	165
10000	166	168	170	171	173	175	176	178	180	181
11000	183	185	186	188	190	191	193	195	196	198
12000	200	201	203	205	206	208	210	211	213	215

(National Oceanographic Data Center, 1962)

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TABLE 20. Silicate Conversions

Conversion from milligrams per liter of SiO_3 to microgram-atoms per liter of SiO_3-Si (1 milligram of SiO_3 = 13.1433 microgram-atoms of SiO_3-Si)

Milligrams per Liter of SiO_3	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
00	000	001	003	004	005	007	008	009	011	012
01	013	014	016	017	018	020	021	022	024	025
02	026	028	029	030	032	033	034	035	037	038
03	039	041	042	043	045	046	047	049	050	051
04	053	054	055	057	058	059	060	062	063	064
05	066	067	068	070	071	072	074	075	076	078
06	079	080	081	083	084	085	087	088	089	091
07	092	093	095	096	097	099	100	101	103	104
08	105	106	108	109	110	112	113	114	116	117
09	118	120	121	122	124	125	126	127	129	130
10	131	133	134	135	137	138	139	141	142	143
11	145	146	147	149	150	151	152	154	155	156
12	158	159	160	162	163	164	166	167	168	170
13	171	172	173	175	176	177	179	180	181	183
14	184	185	187	188	189	191	192	193	195	196
15	197	198	200	201	202	204	205	206	208	209
16	210	212	213	214	216	217	218	219	221	222
17	223	225	226	227	229	230	231	233	234	235
18	237	238	239	241	242	243	244	246	247	248
19	250	251	252	254	255	256	258	259	260	262
20	263	264	265	267	268	269	271	272	273	275

(National Oceanographic Data Center, 1962)

TABLE 21.—Water Content and Porosity of Freshly Settled Sediments

Size group, microns	*Water content volume percent*
250–500	45.0
125–250	45.4
64–125	46.9
16– 64	51.6
4– 16	66.2
1– 4	85.8
<1	96.2

(Trask, 1932)

Table 22 Conversion Chart For Diameter Expressed In Phi, Millimeters, And Microns

$$\left[\phi = -\log_2 \text{ diameter (millimeters)} \right]$$

ASTM or U.S. STANDARD SIEVE SIZES	IMM SIEVE SIZES	PHI	MILLIMETER (DECIMAL)	MILLIMETER (FRACTION)	MICRONS	GEOLOGICAL CLASSIFICATION
		-12	4096.0	- - - -	$4.096X10^6$	
		-11	2048.0	- - - -	$2.048X10^6$	BOULDER
		-10	1024.0	- - - -	$1.024X10^6$	
		- 9	512.0	- - - -	$5.12X10^5$	
		- 8	256.0	- - - -	$2.56X10^5$	COBBLE
		- 7	128.0	- - - -	$1.28X10^5$	
		- 6	64.0	- - - -	$6.4X10^4$	
		- 5	32.0	- - - -	$3.2X10^4$	PEBBLE
		- 4	16.0	- - - -	$1.6X10^4$	
		- 3	8.0	- - - -	$8.0X10^3$	
5		- 2	4.0	- - - -	$4.0X10^3$	GRANULE
10		- 1	2.0	- - - -	$2.0X10^3$	VERY COARSE SAND
18	12	0	1.0	- - - -	$1.0X10^3$	COARSE SAND
35		+ 1	0.50	1/2	500	MEDIUM SAND
60	50	+ 2	0.25	1/4	250	FINE SAND
120	100	+ 3	0.125	1/8	125	VERY FINE SAND
230	200	+ 4	0.0625	1/16	62.5	COARSE SILT
		+5	0.0313	1/32	31.3	MEDIUM SILT
		+6	0.0156	1/64	15.6	FINE SILT
		+7	0.0078	1/128	7.8	VERY FINE SILT
		+8	0.0039	1/256	3.9	COARSE CLAY
		+9	0.00195	1/512	1.95	MEDIUM CLAY
		+10	0.00098	1/1024	0.98	FINE CLAY
		+11	0.00049	1/2048	0.49	VERY FINE CLAY
		+12	0.00024	1/4096	0.24	COLLOIDS

TABLE 23.—Formulas for Artificial Sea Water

Chlorinity = 19.00 0/00

ARTIFICIAL SEA WATER

For experimental work where the physical properties of sea water, such as osmotic pressure ur electrical conductivity, are at issue a 3.4% solution of sodium chloride may be used. Where the action of the water to be examined is of a chemical nature a more exact reproduction of sea water is desirable, depending upon the nature of the problem. Formulas for artificial sea water are given in Table 24. Preparations of natural sea salt may also be employed.

Naval Aircraft Factory Process Specification PS-1 for synthetic sea water, for use in testing corrosion-resisting steel tubing (Navy Department Specification 44T27b, dated July 1, 1940), is as follows:

Stock Solution

Potassium chloride	10 grams
Potassium bromide	45 grams
Magnesium chloride	550 grams
Calcium chloride	110 grams
Sterile distilled water to make 1 liter	

This stock solution is used with other chemicals to make the synthetic sea water as follows:

Sodium chloride — NaCl	23 grams
Sodium sulfate — $Na_2SO_4 \cdot 10H_2O$	8 grams
Stock solution	20 ml
Sterile distilled water to make 1 liter	

Other recommended compositions are as follows:

McClendon *et al* (1917)*		Brujewics (Subow, 1931)†		Lyman and Fleming (1940)‡	
Salt	grams/kg	Salt	grams/kg	Salt	grams/kg
NaCl	26.726	NaCl	26.518	NaCl	23.476
$MgCl_2$	2.260	$MgCl_2$	2.447	$MgCl_2$	4.981
$MgSO_4$	3.248	$MgSO_4$	3.305	Na_2SO_4	3.917
$CaCl_2$	1.153	$CaCl_2$	1'.141	$CaCl_2$	1.102
KCl	0.721	KCl	0.725	KCl	0.664
$NaHCO_3$	0.198	$NaHCO_3$	0.202	$NaHCO_3$	0.192
NaBr	0.058	NaBr	0.083	KBr	0.096
H_3BO_3	0.058			H_3BO_3	0.026
Na_2SiO_3	0.0024			$SrCl_2$	0.024
$Na_2Si_4O_9$	0.0015			NaF	0.003
H_3PO_4	0.0002				
Al_2Cl_6	0.013				
NH_3	0.002				
$LiNO_3$	0.0013				

Total:	34.4406	34.421	34.481
Water to:	1,000.0000	1,000.000	1,000.000

* J. F. McClendon, C. C. Gault, and S. Mulholland, Carnegie Institution of Washington, *Publication* 251 (Papers from Dept. of Marine Biology), pp. 21–69 (1917).

† N. N. Subow, *Oceanographical Tables*, U. S. S. R. Oceanographic Institute Hydro-Meteoral Com. 208 pp. Moscow, 1931.

‡ J. Lyman and R. H. Fleming, *J. Marine Research*, 3, 134–146 (1940).

Table 24.—Depth Conversions

Table A—Fathoms to Meters

1 fathom = 1.8288 meters

Example:

Given, depth = 195 fathoms.

From table depth = 356.6 meters.

Table B—Meters to Fathoms

1 meter = 0.54681 fathoms

Example:

Given, depth = 800 meters.

From table depth = 437 fathoms.

Table C—Feet to Meters

1 foot = 0.30480 meters

Example:

Given, depth = 144 feet.

From table depth = 43.9 meters.

Table D—Meters to Feet

1 meter = 3.28083 feet

Example:

Given, depth = 94 meters.

From table depth = 308.4 feet

(Lafond, 1951)

Table 24A.—Fathoms to Meters

Fathoms	0	1	2	3	4	5	6	7	8	9
0	0.0	1.8	3.7	5.5	7.3	9.1	11.0	12.8	14.6	16.5
10	18.3	20.1	21.9	23.8	25.6	27.4	29.3	31.1	32.9	34.7
20	36.6	38.4	40.2	42.1	43.9	45.7	47.5	49.4	51.2	53.0
30	54.9	56.7	58.5	60.4	62.2	64.0	65.8	67.7	69.5	71.3
40	73.2	75.0	76.8	78.6	80.5	82.3	84.1	86.0	87.8	89.6
50	91.4	93.3	95.1	96.9	98.8	100.6	102.4	104.2	106.1	107.9
60	109.7	111.6	113.4	115.2	117.0	118.9	120.7	122.5	124.4	126.2
70	128.0	129.8	131.7	133.5	135.3	137.2	139.0	140.8	142.6	144.5
80	146.3	148.1	150.0	151.8	153.6	155.4	157.3	159.1	160.9	162.8
90	164.6	166.4	168.2	170.1	171.9	173.7	175.6	177.4	179.2	181.0
100	182.9	184.7	186.5	188.4	190.2	192.0	193.8	195.7	197.5	199.3
110	201.2	203.0	204.8	206.7	208.5	210.3	212.1	214.0	215.8	217.6
120	219.5	221.3	223.1	224.9	226.8	228.6	230.4	232.3	234.1	235.9
130	237.7	239.6	241.4	243.2	245.1	246.9	248.7	250.5	252.4	254.2
140	256.0	257.9	259.7	261.5	263.3	265.2	267.0	268.8	270.7	272.5
150	274.3	276.1	278.0	279.8	281.6	283.5	285.3	287.1	288.9	290.8
160	292.6	294.4	296.3	298.1	299.9	301.7	303.6	305.4	307.2	309.1
170	310.9	312.7	314.6	316.4	318.2	320.0	321.9	323.7	325.5	327.4
180	329.2	331.0	332.8	334.7	336.5	338.3	340.2	342.0	343.8	345.6
190	347.5	349.3	351.1	353.0	354.8	356.6	358.4	360.3	362.1	363.9
200	365.8	367.6	369.4	371.2	373.1	374.9	376.7	378.6	380.4	382.2
210	384.0	385.9	387.7	389.5	391.4	393.2	395.0	396.8	398.7	400.5
220	402.3	404.2	406.0	407.8	409.6	411.5	413.3	415.1	417.0	418.8
230	420.6	422.4	424.3	426.1	427.9	429.8	431.6	433.4	435.2	437.1
240	438.9	440.7	442.6	444.4	446.2	448.0	449.9	451.7	453.5	455.4
250	457.2	459.0	460.9	462.7	464.5	466.3	468.2	470.0	471.8	473.7
260	475.5	477.3	479.1	481.0	482.7	484.6	486.5	488.3	490.1	491.9
270	493.8	495.6	497.4	499.3	501.1	502.9	504.7	506.6	508.4	510.2
280	512.1	513.9	515.7	517.5	519.4	521.2	523.0	524.9	526.7	528.5
290	530.3	532.2	534.0	535.8	537.7	539.5	541.3	543.1	545.0	546.8

Fathoms	0	10	20	30	40	50	60	70	80	90
300	549	567	585	603	622	640	658	677	695	713
400	732	750	768	786	805	823	841	860	878	896
500	914	933	951	969	988	1,006	1,024	1,042	1,061	1,079
600	1,097	1,116	1,134	1,152	1,170	1,189	1,207	1,225	1,244	1,262
700	1,280	1,298	1,317	1,335	1,353	1,372	1,390	1,408	1,426	1,445
800	1,463	1,481	1,500	1,518	1,536	1,554	1,573	1,591	1,609	1,628
900	1,646	1,664	1,682	1,701	1,719	1,737	1,756	1,774	1,792	1,810

Fathoms	0	100	200	300	400	500	600	700	800	900
1,000	1,829	2,012	2,195	2,377	2,560	2,743	2,926	3,109	3,292	3,475
2,000	3,658	3,840	4,023	4,206	4,389	4,572	4,755	4,938	5,121	5,303
3,000	5,486	5,669	5,852	6,035	6,218	6,401	6,584	6,767	6,949	7,132
4,000	7,315	7,498	7,681	7,864	8,047	8,230	8,412	8,595	8,778	8,961
5,000	9,144	9,327	9,510	9,693	9,876	10,058	10,241	10,424	10,607	10,790
6,000	10,973	11,155	11,338	11,521	11,704	11,887	12,070	12,253	12,436	12,618
7,000	12,801	12,984	13,167	13,350	13,533	13,716	13,899	14,082	14,264	14,447
8,000	14,630	14,813	14,996	15,179	15,362	15,545	15,727	15,910	16,093	16,276
9,000	16,459	16,642	16,825	17,008	17,190	17,373	17,556	17,739	17,922	18,105

TABLE 24B. Meters to Fathoms

Meters	0	1	2	3	4	5	6	7	8	9
0	0.0	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.4	4.9
10	5.5	6.0	6.6	7.1	7.7	8.2	8.7	9.3	9.8	10.4
20	10.9	11.5	12.0	12.6	13.1	13.7	14.2	14.8	15.3	15.9
30	16.4	17.0	17.5	18.0	18.6	19.1	19.7	20.2	20.8	21.3
40	21.9	22.4	23.0	23.5	24.1	24.6	25.2	25.7	26.2	26.8
50	27.3	27.9	28.4	29.0	29.5	30.1	30.6	31.2	31.7	32.3
60	32.8	33.4	33.9	34.4	35.0	35.5	36.1	36.6	37.2	37.7
70	38.3	38.8	39.4	39.9	40.5	41.0	41.6	42.1	42.7	43.2
80	43.7	44.3	44.8	45.4	45.9	46.5	47.0	47.6	48.1	48.7
90	49.2	49.8	50.3	50.9	51.4	51.9	52.5	53.0	53.6	54.1
100	54.7	55.2	55.8	56.3	56.9	57.4	58.0	58.5	59.1	59.6
110	60.1	60.7	61.2	61.8	62.3	62.9	63.4	64.0	64.5	65.1
120	65.6	66.2	66.7	67.3	67.8	68.4	68.9	69.4	70.0	70.5
130	71.1	71.6	72.2	72.7	73.3	73.8	74.4	74.9	75.5	76.0
140	76.6	77.1	77.6	78.2	78.7	79.3	79.8	80.4	80.9	81.5
150	82.0	82.6	83.1	83.7	84.2	84.8	85.3	85.9	86.4	86.9
160	87.5	88.0	88.6	89.1	89.7	90.2	90.8	91.3	91.9	92.4
170	93.0	93.5	94.1	94.6	95.1	95.7	96.2	96.8	97.3	97.9
180	98.4	99.0	99.5	100.1	100.6	101.2	101.7	102.3	102.8	103.3
190	103.9	104.4	105.0	105.5	106.1	106.6	107.2	107.7	108.3	108.8
200	109.4	109.9	110.5	111.0	111.6	112.1	112.6	113.2	113.7	114.3
210	114.8	115.4	115.9	116.5	117.0	117.6	118.1	118.7	119.2	119.8
220	120.3	120.8	121.4	121.9	122.5	123.0	123.6	124.1	124.7	125.2
230	125.8	126.3	126.9	127.4	128.0	128.5	129.0	129.6	130.1	130.7
240	131.2	131.8	132.3	132.9	133.4	134.0	134.5	135.1	135.6	136.2
250	136.7	137.3	137.8	138.3	138.9	139.4	140.0	140.5	141.1	141.6
260	142.2	142.7	143.3	143.8	144.4	144.9	145.5	146.0	146.5	147.1
270	147.6	148.2	148.7	149.3	149.8	150.4	150.9	151.5	152.0	152.6
280	153.1	153.7	154.2	154.7	155.3	155.8	156.4	156.9	157.5	158.0
290	158.6	159.1	159.7	160.2	160.8	161.3	161.9	162.4	163.0	163.5

Meters	0	10	20	30	40	50	60	70	80	90
300	164	170	175	180	186	191	197	202	208	213
400	219	224	230	235	241	246	252	257	262	268
500	273	279	284	290	295	301	306	312	317	323
600	328	334	339	344	350	355	361	366	372	377
700	383	388	394	399	405	410	416	421	427	432
800	437	443	448	454	459	465	470	476	481	487
900	492	498	503	508	514	519	525	530	536	541

Meters	0	100	200	300	400	500	600	700	800	900
1,000	547	601	656	711	766	820	875	930	984	1,039
2,000	1,094	1,148	1,203	1,258	1,312	1,367	1,422	1,476	1,531	1,586
3,000	1,640	1,695	1,750	1,804	1,859	1,914	1,969	2,023	2,078	2,133
4,000	2,187	2,242	2,297	2,351	2,406	2,461	2,515	2,570	2,625	2,679
5,000	2,734	2,789	2,843	2,898	2,953	3,007	3,062	3,117	3,172	3,226
6,000	3,281	3,336	3,390	3,445	3,500	3,554	3,609	3,664	3,718	3,773
7,000	3,828	3,882	3,937	3,992	4,046	4,101	4,156	4,210	4,265	4,320
8,000	4,375	4,429	4,484	4,539	4,593	4,648	4,703	4,757	4,812	4,867
9,000	4,921	4,976	5,031	5,085	5,140	5,195	5,249	5,304	5,359	5,413

Table 24C.—Feet to Meters

Feet	0	1	2	3	4	5	6	7	8	9
0	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7
10	3.0	3.4	3.7	4.0	4.3	4.6	4.9	5.2	5.5	5.8
20	6.1	6.4	6.7	7.0	7.3	7.6	7.9	8.2	8.5	8.8
30	9.1	9.4	9.8	10.1	10.4	10.7	11.0	11.3	11.6	11.9
40	12.2	12.5	12.8	13.1	13.4	13.7	14.0	14.3	14.6	14.9
50	15.2	15.5	15.8	16.1	16.5	16.8	17.1	17.4	17.7	18.0
60	18.3	18.6	18.9	19.2	19.5	19.8	20.1	20.4	20.7	21.0
70	21.3	21.6	21.9	22.3	22.6	22.9	23.2	23.5	23.8	24.1
80	24.4	24.7	25.0	25.3	25.6	25.9	26.2	26.5	26.8	27.1
90	27.4	27.7	28.0	28.3	28.7	29.0	29.3	29.6	29.9	30.2
100	30.5	30.8	31.1	31.4	31.7	32.0	32.3	32.6	32.9	33.2
110	33.5	33.8	34.1	34.4	34.7	35.1	35.4	35.7	36.0	36.3
120	36.6	36.9	37.2	37.5	37.8	38.1	38.4	38.7	39.0	39.3
130	39.6	39.9	40.2	40.5	40.8	41.1	41.5	41.8	42.1	42.4
140	42.7	43.0	43.3	43.6	43.9	44.2	44.5	44.8	45.1	45.4
150	45.7	46.0	46.3	46.6	46.9	47.2	47.5	47.9	48.2	48.5
160	48.8	49.1	49.4	49.7	50.0	50.3	50.6	50.9	51.2	51.5
170	51.8	52.1	52.4	52.7	53.0	53.3	53.6	53.9	54.3	54.6
180	54.9	55.2	55.5	55.8	56.1	56.4	56.7	57.0	57.3	57.6
190	57.9	58.2	58.5	58.8	59.1	59.4	59.7	60.0	60.4	60.7
200	61.0	61.3	61.6	61.9	62.2	62.5	62.8	63.1	63.4	63.7
210	64.0	64.3	64.6	64.9	65.2	65.5	65.8	66.1	66.4	66.8
220	67.1	67.4	67.7	68.0	68.3	68.6	68.9	69.2	69.5	69.8
230	70.1	70.4	70.7	71.0	71.3	71.6	71.9	72.2	72.5	72.8
240	73.2	73.5	73.8	74.1	74.4	74.7	75.0	75.3	75.6	75.9
250	76.2	76.5	76.8	77.1	77.4	77.7	78.0	78.3	78.6	78.9
260	79.2	79.6	79.9	80.2	80.5	80.8	81.1	81.4	81.7	82.0
270	82.3	82.6	82.9	83.2	83.5	83.8	84.1	84.4	84.7	85.0
280	85.3	85.6	86.0	86.3	86.6	86.9	87.2	87.5	87.8	88.1
290	88.4	88.7	89.0	89.3	89.6	89.9	90.2	90.5	90.8	91.1

Feet	00	10	20	30	40	50	60	70	80	90
300	91.4	94.5	97.5	100.6	103.6	106.7	109.7	112.8	115.8	118.9
400	121.9	125.0	128.0	131.1	134.1	137.2	140.2	143.3	146.3	149.4
500	152.4	155.4	158.5	161.5	164.6	167.6	170.7	173.7	176.8	179.8
600	182.9	185.9	189.0	192.0	195.1	198.1	201.2	204.2	207.3	210.3
700	213.4	216.4	219.5	222.5	225.6	228.6	231.6	234.7	237.7	240.8
800	243.8	246.9	249.9	253.0	256.0	259.1	262.1	265.2	268.2	271.3
900	274.3	277.4	280.4	283.5	286.5	289.6	292.6	295.7	298.7	301.8

Feet	000	100	200	300	400	500	600	700	800	900
1,000	305	335	366	396	427	457	488	518	549	579
2,000	610	640	671	701	732	762	792	823	853	884
3,000	914	945	975	1,006	1,036	1,067	1,097	1,128	1,158	1,189
4,000	1,219	1,250	1,280	1,311	1,341	1,372	1,402	1,433	1,463	1,494
5,000	1,524	1,554	1,585	1,615	1,646	1,676	1,707	1,737	1,768	1,798
6,000	1,829	1,859	1,890	1,920	1,951	1,981	2,012	2,042	2,073	2,103
7,000	2,134	2,164	2,195	2,225	2,256	2,286	2,316	2,347	2,377	2,408
8,000	2,438	2,469	2,499	2,530	2,560	2,591	2,621	2,652	2,682	2,713
9,000	2,743	2,774	2,804	2,835	2,865	2,896	2,926	2,957	2,987	3,018

TABLE 24D.—Meters to Feet

Meters	0	1	2	3	4	5	6	7	8	9
0	0.0	3.3	6.6	9.8	13.1	16.4	19.7	23.0	26.2	29.5
10	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3
20	65.6	68.9	72.2	75.5	78.7	82.0	85.3	88.6	91.9	95.1
30	98.4	101.7	105.0	108.3	111.5	114.8	118.1	121.4	124.7	128.0
40	131.2	134.5	137.8	141.1	144.4	147.6	150.9	154.2	157.5	160.8
50	164.0	167.3	170.6	173.9	177.2	180.4	183.7	187.0	190.3	193.6
60	196.8	200.1	203.4	206.7	-210.0	213.3	216.5	219.8	223.1	226.4
70	229.7	232.9	236.2	239.5	242.8	246.1	249.3	252.6	255.9	259.2
80	262.5	265.7	269.0	272.3	275.6	278.9	282.2	285.4	288.7	292.0
90	295.3	298.6	301.8	305.1	308.4	311.7	315.0	318.2	321.5	324.8
100	328.1	331.4	334.6	337.9	341.2	344.5	347.8	351.0	354.3	357.6
110	360.9	364.2	367.5	370.7	374.0	377.3	380.6	383.9	387.1	390.4
120	393.7	397.0	400.3	403.5	406.8	410.1	413.4	416.7	419.9	423.2
130	426.5	429.8	433.1	436.4	439.6	442.9	446.2	449.5	452.8	456.0
140	459.3	462.6	465.9	469.2	472.4	475.7	479.0	482.3	485.6	488.8
150	492.1	495.4	498.7	502.0	505.2	508.5	511.8	[illegible]	518.4	521.7
160	524.9	528.2	531.5	534.8	538.1	541.3	544.6	547.9	551.2	554.5
170	557.7	561.0	564.3	567.6	570.9	574.1	577.4	580.7	584.0	587.3
180	590.5	593.8	597.1	600.4	603.7	607.0	610.2	613.5	616.8	620.1
190	623.4	626.6	629.9	633.2	636.5	639.8	643.0	646.3	649.6	652.9
200	656.2	659.4	662.7	666.0	669.3	672.6	675.9	679.1	682.4	685.7
210	689.0	692.3	695.5	698.8	702.1	705.4	708.7	711.9	715.2	718.5
220	721.8	725.1	728.3	731.6	734.9	738.2	741.5	744.7	748.0	751.3
230	754.6	757.9	761.2	764.4	767.7	771.0	774.3	777.6	780.8	784.1
240	787.4	790.7	794.0	797.2	800.5	803.8	807.1	810.4	813.6	816.9
250	820.2	823.5	826.8	830.1	833.3	836.6	839.9	843.2	846.5	849.7
260	853.0	856.3	859.6	862.9	866.1	869.4	872.7	876.0	879.3	882.5
270	885.8	889.1	892.4	895.7	898.9	902.2	905.5	908.8	912.1	915.4
280	918.6	921.9	925.2	928.5	931.8	935.0	938.3	941.6	944.9	948.2
290	951.4	954.7	958.0	961.3	964.6	967.8	971.1	974.4	977.7	981.0

Meters	00	10	20	30	40	50	60	70	80	90
300	984.2	1,017.1	1,049.9	1,082.7	1,115.5	1,148.3	1,181.1	1,213.9	1,246.7	1,279.5
400	1,312.3	1,345.1	1,37[illegible]	1,410.8	1,443.6	1,476.4	1,509.2	1,542.0	1,574.8	1,607.6
500	1,640.4	1,673.2	1,7[illegible]	1,738.8	1,771.6	1,804.5	1,837.3	1,870.1	1,902.9	1,935.7
600	1,968.5	2,001.3	2,034.1	2,066.9	2,099.7	2,132.5	2,165.3	2,198.2	2,231.0	2,263.8
700	2,296.6	2,329.4	2,362.2	2,395.0	2,427.8	2,460.6	2,493.4	2,526.2	2,559.0	2,591.9
800	2,624.7	2,657.5	2,690.3	2,723.1	2,755.9	2,788.7	2,821.5	2,854.3	2,887.1	2,919.9
900	2,952.7	2,985.6	3,018.4	3,051.2	3,084.0	3,116.8	3,149.6	3,182.4	3,215.2	3,248.0

Meters	000	100	200	300	400	500	600	700	800	900
1,000	3,281	3,609	3,937	4,265	4,593	4,921	5,249	5,577	5,905	6,234
2,000	6,562	6,890	7,218	7,546	7,874	8,202	8,530	8,858	9,186	9,514
3,000	9,842	10,171	10,499	10,827	11,155	11,483	11,811	12,139	12,467	12,795
4,000	13,123	13,451	13,779	14,108	14,436	14,764	15,092	15,420	15,748	16,076
5,000	16,404	16,732	17,060	17,388	17,716	18,045	18,373	18,701	19,028	19,357
6,000	19,685	20,013	20,341	20,669	20,997	21,325	21,653	21,982	22,310	22,638
7,000	22,966	23,294	23,622	23,950	24,278	24,606	24,934	25,262	25,590	25,919
8,000	26,247	26,575	26,903	27,231	27,559	27,887	28,215	28,543	28,871	29,199
9,000	29,527	29,856	30,184	30,512	30,840	31,168	31,496	31,824	32 152	32,480

TABLE 25.—Depth Conversion Factors

National Oceanographic Data Center Standard Depths

METERS	FEET	FATHOMS
0	0	0
10	33	5
20	66	11
30	98	16
50	164	27
75	246	41
100	328	55
150	492	82
200	656	109
250	820	137
300	984	164
400	1312	219
500	1640	273
600	1968	328
800	2625	437
1000	3281	547
1200	3937	656
1250	4101	684
1500	4921	820
1750	5740	957
2000	6562	1094
2500	8202	1367
3000	9842	1640
4000	13123	2187
5000	16404	2734
6000	19685	3281
7000	22966	3828
8000	26247	4375
9000	29527	4921
10000	32808	5468

TABLE 28.—Velocity Conversions—Knots to Centimeters per Second

Example:
Given, velocity 1.5 knots.
From Table A, velocity 77.2 cm./sec.

VELOCITY CONVERSION--KNOTS TO CENTIMETERS PER SECOND

Knots	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0	0.0	5.1	10.3	15.4	20.6	25.7	30.9	36.0	41.2	46.3
1	51.5	56.6	61.8	66.9	72.1	77.2	82.4	87.5	92.7	97.8
2	103.0	108.1	113.3	118.4	123.5	128.7	133.8	139.0	144.1	149.3
3	154.4	159.6	16[illegible].7	169.9	175.0	180.2	185.3	190.5	195.6	200.8
4	205.9	211.1	216.2	221.4	226.5	231.7	236.8	242.0	247.1	252.2
5	257.4	262.5	267.7	272.8	278.0	283.1	288.3	293.4	298.6	303.7
6	308.9	314.0	319.2	324.3	329.5	334.6	339.8	344.9	350.1	355.2
7	360.4	365.5	370.6	375.8	380.9	386.1	391.2	396.4	401.5	406.7
8	411.8	417.0	422.1	427.3	432.4	437.6	442.7	447.9	453.0	458.2
9	463.3	468.5	473.6	478.8	483.9	489.1	494.2	499.3	504.5	509.6

(Lafond, 1951)

TABLE 27.—Velocity Conversions—Centimeters per Second to Knots

Example:
Given, velocity 84 cm./sec.
From table velocity 1.63 knots.

cm./sec.	0	1	2	3	4	5	6	7	8	9
0	0.0	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.17
10	.19	.21	.23	.25	.27	.29	.31	.33	.35	.37
20	.39	.41	.43	.45	.47	.49	.51	.52	.54	.56
30	.58	.60	.62	.64	.66	.68	.70	.72	.74	.76
40	.78	.80	.82	.84	.85	.87	.89	.91	.93	.95
50	.97	.99	1.01	1.03	1.05	1.07	1.09	1.11	1.13	1.15
60	1.17	1.18	1.20	1.22	1.24	1.26	1.28	1.30	1.32	1.34
70	1.36	1.38	1.40	1.42	1.44	1.46	1.48	1.50	1.52	1.53
80	1.55	1.57	1.59	1.61	1.63	1.65	1.67	1.69	1.71	1.73
90	1.75	1.77	1.79	1.81	1.83	1.85	1.86	1.88	1.90	1.92
100	1.94	1.96	1.98	2.00	2.02	2.04	2.06	2.08	2.10	2.12
110	2.14	2.16	2.18	2.20	2.21	2.23	2.25	2.27	2.29	2.31
120	2.33	2.35	2.37	2.39	2.41	2.43	2.45	2.47	2.49	2.51
130	2.53	2.54	2.56	2.58	2.60	2.62	2.64	2.66	2.68	2.70
140	2.72	2.74	2.76	2.78	2.80	2.82	2.84	2.86	2.87	2.89
150	2.91	2.93	2.95	2.97	2.99	3.01	3.03	3.05	3.07	3.09
160	3.11	3.13	3.15	3.17	3.19	3.21	3.22	3.24	3.26	3.28
170	3.30	3.32	3.34	3.36	3.38	3.40	3.42	3.44	3.46	3.48
180	3.50	3.52	3.54	3.55	3.57	3.59	3.61	3.63	3.65	3.67
190	3.69	3.71	3.73	3.75	3.77	3.79	3.81	3.83	3.85	3.87
200	3.89	3.90	3.92	3.94	3.96	3.98	4.00	4.02	4.04	4.06
210	4.08	4.10	4.12	4.14	4.16	4.18	4.20	4.22	4.23	4.25
220	4.27	4.29	4.31	4.33	4.35	4.37	4.39	4.41	4.43	4.45
230	4.47	4.49	4.51	4.53	4.55	4.56	4.58	4.60	4.62	4.64
240	4.66	4.68	4.70	4.72	4.74	4.76	4.78	4.80	4.82	4.84
250	4.86	4.88	4.90	4.91	4.93	4.95	4.97	4.99	5.01	5.03
260	5.05	5.07	5.09	5.11	5.13	5.15	5.17	5.19	5.21	5.23
270	5.24	5.26	5.28	5.30	5.32	5.34	5.36	5.38	5.40	5.42
280	5.44	5.46	5.48	5.50	5.52	5.54	5.56	5.58	5.59	5.61
290	5.63	5.65	5.67	5.69	5.71	5.73	5.75	5.77	5.79	5.81

(Lafond, 1951)

TABLE 28

Conversion Factors

Multiply	By	To Obtain
ATMOSPHERES	76.0	Cms. of mercury
Atmospheres	29.92	Inches of mercury
Atmospheres	33.90	Feet of Water
Atmospheres	1.0333	Kgs./sq.cm.
Atmospheres	14.70	Lbs./sq.inch
Atmospheres	1.058	Tons/sq.ft.
BARRELS-OIL	**42**	**Gallons-Oil**
BRITISH THERMAL UNITS	0.2520	Kilogram-calories
British Thermal Units	777.5	Foot-lbs
British Thermal Units	3.927×10^{-4}	Horse-power-hrs.
British Thermal Units	107.5	Kilogram-meters
British Thermal Units	2.928×10^{-4}	Kilowatt-hrs
B.T.U./MIN	12.96	Foot-lbs/sec.
B.T.U./min.	0.02356	Horse-power
B.T.U./min	0.0175	Kilowatts
B.T.U./min	17.57	Watts
CENTARES (CENTIARES)	1	Square meters
CENTIGRAMS	0.01	Grams
CENTILITERS	0.01	Liters
CENTIMETERS	0.3937	Inches
Centimeters	0.01	Meters
Centimeters	10	Millimeters
CENTIMETERS OF MERCURY	0.01316	Atmospheres
Centimeters of mercury	0.4461	Feet of water
Centimeters of mercury	136.0	Kgs/sq.meter
Centimeters of mercury	27.85	Lbs/sq.ft.
Centimeters of mercury	0.1934	Lbs/sq.inch
CENTIMETERS/SECOND	1.969	Feet/min.
Centimeters/second	0.03281	Feet/sec.
Centimeters/second	0.036	Kilometers/hr.
Centimeters/second	0.6	Meters/min.
Centimeters/second	0.02237	Miles/hr.
Centimeters/second	3.728x10	Miles/min.

TABLE 28

Conversion Factors (Continued)

Multiply	By	To Obtain
C.M.S./SEC./SEC	0.03281	Feet/sec./sec.
CUBIC CENTIMETERS	3.531×10^{-5}	Cubic feet
Cubic centimeters	6.102×10^{-2}	Cubic inches
Cubic centimeters	10^{-6}	Cubic meters
Cubic centimeters	1.308×10^{-6}	Cubic yards
Cubic centimeters	2.642×10^{-4}	Gallons
Cubic centimeters	10^{-3}	Liters
Cubic centimeters	2.113×10^{-3}	Pints(liq)
Cubic centimeters	1.057×10^{-3}	Quarts(liq)
CUBIC FEET	2.832×10^{4}	Cubic cms.
Cubic feet	1728	Cubic inches
Cubic feet	0.02832	Cubic meters
Cubic feet	0.03704	Cubic yards
Cubic feet	7.48052	Gallons
Cubic feet	28.32	Liters
Cubic feet	59.84	Pints(liq)
Cubic feet	29.92	Quarts(liq)
CUBIC FEET/MINUTE	472.0	Cubic cms./sec.
Cubic feet/minute	0.1247	Gallons/sec.
Cubic feet/minute	0.4720	Liters/sec.
Cubic feet/minute	62.43	Pounds of water/min.
CUBIC FEET/SECOND	0.646317	Million gals./day
Cubic feet/second	448.831	Gallons/min.
CUBIC INCHES	16.39	Cubic centimeters
Cubic inches	5.787×10^{-4}	Cubic feet
Cubic inches	1.639×10^{-5}	Cubic meters
Cubic inches	2.143×10^{-5}	Cubic yards
Cubic inches	4.329×10^{-3}	Gallons
Cubic inches	1.639×10^{-2}	Liters
Cubic inches	0.03463	Pints(liq)
Cubic inches	0.01732	Quarts(liq)

TABLE 28

Conversion Factors (Continued)

Multiply	By	To Obtain
CUBIC METERS	10^6	Cubic centimeters
Cubic meters	35.31	Cubic feet
Cubic meters	61,023	Cubic inches
Cubic meters	1.308	Cubic yards
Cubic meters	264.2	Gallons
Cubic meters	10^3	Liters
Cubic meters	2113	Pints(liq)
Cubic meters	1057	Quarts(liq)
CUBIC YARDS	7.646×10^5	Cubic centimeters
Cubic yards	27	Cubic feet
Cubic yards	46,656	Cubic inches
Cubic yards	0.7646	Cubic meters
Cubic yards	202.0	Gallons
Cubic yards	764.6	Liters
Cubic yards	1616	Pints(liq)
Cubic yards	807.9	Quarts(liq)
CUBIC YARDS/MIN	0.45	Cubic feet/sec.
Cubic yards/min	3.367	Gallons/sec.
Cubic yards/min	12.74	Liters/sec.
DECIGRAMS	0.1	Grams
DECILITERS	0.1	Liters
DECIMETERS	0.1	Meters
DEGREES(ANGLE)	60	Minutes
Degrees(angle)	0.01745	Radians
Degrees(angle)	3600	Seconds
DEGREES/SEC	0.01745	Radians/sec.
Degrees/sec	0.1667	Revolutions/min.
Degrees/sec	0.002778	Revolutions/sec.
DEKAGRAMS	10	Grams
DEKALITERS	10	Liters
DEKAMETERS	10	Meters

TABLE 28

Conversion Factors (Continued)

Multiply	By	To Obtain
FATHOMS	6	Feet
FEET	30.48	Centimeters
Feet	12	Inches
Feet	0.3048	Meters
Feet	1/3	Yards
FEET OF WATER	0.02950	Atmospheres
Feet of water	0.8826	Inches of mercury
Feet of water	0.03048	Kgs./sq.cm.
Feet of water	62.43	Lbs./sq.ft.
Feet of water	0.4335	Lbs./sq.inch
FEET/MIN	0.5080	Centimeters/sec.
Feet/min	0.01667	Feet/sec.
Feet/min	0.01829	Kilometers/hr.
Feet/min	0.3048	Meters/min.
Feet/min	0.01136	Miles/hr.
FEET/SEC./SEC	30.48	Cms./sec./sec.
Feet/sec./sec	0.3048	Meters/sec./sec.
FOOT-POUNDS	1.286×10^{-3}	British Thermal Units
Foot-pounds	5.050×10^{-7}	Horse-power-hrs.
Foot-pounds	3.241×10^{-4}	Kilogram-calories
Foot-pounds	0.1383	Kilogram-meters
Foot-pounds	3.766×10^{-7}	Kilowatt-hrs
FOOT-POUNDS/MIN	1.286×10^{-3}	B. T. Units/min.
Foot-pounds/min	0.01667	Foot-pounds/sec.
Foot-pounds/min	5.050×10^{-7}	Horse-power
Foot-pounds/min	3.241×10^{-4}	Kg-calories/min.
Foot-pounds/min	2.260×10^{-5}	Kilowatts
FOOT-POUNDS/SEC	7.717×10^{-2}	B. T. Units/min.
Foot-pounds/sec	1.818×10^{-3}	Horse-power
Foot-pounds/sec	1.945×10^{-2}	Kg.calories/min.
Foot-pounds/sec	1.356×10^{-3}	Kilowatts

TABLE 28

Conversion Factors (Continued)

Multiply	By	To Obtain
GALLONS	3785	Cubic-centimeters
Gallons	0.1337	Cubic feet
Gallons	231	Cubic inches
Gallons	3.785×10^{-3}	Cubic meters
Gallons	4.951×10^{-3}	Cubic yards
Gallons	3.785	Liters
Gallons	8	Pints(liq)
Gallons	4	Quarts(liq)
GALLONS, IMPERIAL	1.20095	U.S. Gallons
Gallons,U.S	0.83267	Imperial gallons
GALLONS WATER	8.3453	Pounds of water
GALLONS/MIN	2.228×10^{-3}	Cubic feet/sec.
Gallons/min	0.06308	Liters/sec.
Gallons/min	8.0208	Cu.ft./hr.
GALLONS WATER/MIN	6.0086	Tons water/24 hrs.
GRAMS	980.7	Dynes
Grams	15.43	Grains
Grams	10^{-3}	Kilograms
Grams	10^{-3}	Milligrams
Grams	0.03527	Ounces
Grams	0.03215	Ounces(troy)
Grams	2.205×10^{-3}	Pounds
GRAMS/CM	5.600×10^{-3}	Pounds/inch
GRAMS/CU.CM	62.43	Pounds/cubic foot
Grams/cu.cm	0.03613	Pounds/cubic inch
GRAMS/LITER	58.417	Grains/gal.
Grams/liter	8.345	Pounds/1000 gals.
Grams/liter	0.062427	Pounds/cubic foot
Grams/liter	1000	Parts/million

TABLE 28

Conversion Factors (Continued)

Multiply	By	To Obtain
HECTOGRAMS	100	Grams
HECTOLITERS	100	Liters
HECTOMETERS	100	Meters
HECTOWATTS	100	Watts
INCHES	[illegible].[illegible]40	Centimeters
INCHES OF MERCURY	0.0334[illegible]	Atmospheres
Inches of mercury	1.133	Feet of water
Inches of mercury	0.034[illegible]3	Kgs./sq. cm.
Inches of mercury	70.73	Lbs./sq. ft.
Inches of mercury	0.491[illegible]	Lbs./sq. inch
INCHES OF WATER	0.00[illegible]4[illegible]8	Atmospheres
Inches of water	0.073[illegible]	Inches of mercury
Inches of water	0.00[illegible][illegible]40	Kgs./sq.cm.
Inches of water	0.5781	Ounces/sq. inch
Inches of water	[illegible].[illegible]02	Lbs./sq. foot
Inches of water	0.03613	Lbs./sq. inch
JOULES (ABS)	9.480x10^{-4}	BTU (mean)
Joules (abs)	0.[illegible]389[illegible]	Grain calories (mean)
Joules (abs)	0.23918	Grain calories (20°C)
Joules (abs)	[illegible].388[illegible]x10^{-4}	Kg. calories (mean)
Joules (abs)	1x10^{7}	Ergs
Joules (abs)	0.737[illegible]6	Ft. lb.
Joules (abs)	1.01[illegible]7x10^{4}	G. cm.
Joules (abs)	3.7[illegible][illegible]08x10^{-7}	Horse-power hr.
Joules (abs)	0.[illegible][illegible]9680	Joules (international)
Joules (abs)	[illegible].777[illegible]8x10^{-7}	Kilowatt hr.
KILOGRAMS	980.66	Dynes
Kilograms	[illegible].[illegible]0[illegible]	Lbs.
Kilograms	1.[illegible]0[illegible]x10^{-3}	Tons (short)
Kilograms	10^{3}	Grams

TABLE 28

Conversion Factors (Continued)

Multiply	By	To Obtain
KGS./METER	0.6720	Lbs./foot
KGS./SQ. CM	0.9678	Atmospheres
Kgs./sq. cm	32.81	Feet of water
Kgs./sq. cm	28.96	Inches of mercury
Kgs./sq. cm	2048	Lbs./sq. foot
Kgs./sq. cm	14.22	Lbs./sq. inch
KGS./SQ. MILLIMETER	10^6	Kgs./sq. meter
KILOLITERS	10^3	Liters
KILOMETERS	10^5	Centimeters
Kilometers	3281	Feet
Kilometers	10^3	Meters
Kilometers	0.6214	Miles
Kilometers	1094	Yards
KILOMETERS/HR	27.78	Centimeters/sec.
Kilometers/hr	54.68	Feet/min.
Kilometers/hr	0.9113	Feet/sec.
Kilometers/hr	0.5396	Knots
Kilometers/hr	16.67	Meters/min.
Kilometers/hr	0.6214	Miles/hr.
KMS./HR./SEC	27.78	Cms./sec./sec.
Kms./hr./sec	0.9113	Ft./sec./sec.
Kms./hr./sec	0.2778	Meters/sec./sec.
KILOWATTS	56.92	B. T. Units/min.
Kilowatts	4.425×10^4	Foot-lbs./min.
Kilowatts	737.6	Foot-lbs./sec.
Kilowatts	1.341	Horse-power
Kilowatts	14.34	Kg.-calories/min.
Kilowatts	10^3	Watts
KILOWATT-HOURS	3415	British Thermal Units
Kilowatt-hours	2.655×10^6	Foot-lbs.
Kilowatt-hours	1.341	Horse-power-hrs.
Kilowatt-hours	860.5	Kilogram-calories
Kilowatt-hours	3.671×10^5	Kilogram-meters

TABLE 28

Conversion Factors (Continued)

Multiply	By	To Obtain
LITERS	10^3	Cubic centimeters
Liters	0.03531	Cubic feet
Liters	[illegible]	Cubic inches
Liters	[illegible]	Cubic meters
Liters	[illegible]	Cubic yards
Liters	[illegible]	Gallons
Liters	2.113	Pints (liq.)
Liters	1.057	Quarts (liq.)
LITERS/MIN	5.886×10^{-4}	Cubic ft./sec.
Liters/min	4.403×10^{-3}	Gals/sec.
METERS	100	Centimeters
Meters	3.281	Feet
Meters	39.37	Inches
Meters	10^{-3}	Kilometers
Meters	10^3	Millimeters
Meters	1.094	Yards
METERS/MIN	1.667	Centimeters/sec.
Meters/min	3.281	Feet/min.
Meters/min	0.05468	Feet/sec.
Meters/min	0.06	Kilometers/hr.
Meters/min	0.03728	Miles/hr.
METERS/SEC	196.8	Feet/min.
Meters/sec	3.281	Feet/sec.
Meters/sec	3.6	Kilometers/hr.
Meters/sec	0.06	Kilometers/min.
Meters/sec	2.237	Miles/hr.
Meters/sec	0.03728	Miles/min.
MICRONS	10^{-6}	Meters
MILES	1.609×10^5	Centimeters
Miles	5280	Feet
Miles	1.609	Kilometers
Miles	1760	Yards

TABLE 28

Conversion Factors (Continued)

Multiply	By	To Obtain
MILES/HR	44.70	Centimeters/sec.
Miles/hr	88	Feet/min.
Miles/hr	1.467	Feet/sec.
Miles/hr	1.609	Kilometers/hr.
Miles/hr	0.8684	Knots
Miles/hr	26.82	Meters/min.
MILES/MIN	2682	Centimeters/sec.
Miles/min	88	Feet/sec.
Miles/min	1.609	Kilometers/min.
Miles/min	60	Miles/hr.
MILLIERS	10^3	Kilograms
MILLIGRAMS	10^{-3}	Grams
MILLILITERS	10^{-3}	Liters
MILLIMETERS	0.1	Centimeters
Millimeters	0.03937	Inches
MILLIGRAMS/LITER	1	Parts/million
MILLION GALS./DAY	1.54723	Cubic ft./sec.
MINUTES (ANGLE)	2.909×10^{-4}	Radians
OUNCES	16	Drams
Ounces	137.5	Grains
Ounces	0.0625	Pounds
Ounces	28.349527	Grams
Ounces	0.9115	Ounces (troy)
Ounces	2.790×10^{-5}	Tons (long)
Ounces	2.835×10^{-5}	Tons (metric)
OUNCES (FLUID)	1.805	Cubic inches
Ounces (fluid)	0.02957	Liters
OUNCES/SQ. INCH	0.0625	Lbs/sq. inch

Table 28

Conversion Factors (Continued)

Multiply	By	To Obtain
PARTS/MILLION	0.0584	Grains/U.S. gal.
Parts/million	0.07016	Grains/Imp. gal.
Parts/million	8.345	Lbs./million gal.
POUNDS	16	Ounces
Pounds	256	Drams
Pounds	7000	Grains
Pounds	0.0005	Tons (short)
Pounds	453.5924	Grams
Pounds	1.21528	Pounds (troy)
Pounds	14.5833	Ounces (troy)
POUNDS OF WATER	0.01602	Cubic feet
Pounds of water	27.68	Cubic inches
Pounds of water	0.1198	Gallons
POUNDS OF WATER/MIN	2.670×10^{-4}	Cubic ft./sec.
POUNDS/CUBIC FOOT	0.01602	Grams/cubic cm.
Pounds/cubic foot	16.02	Kgs./cubic meter
Pounds/cubic foot	5.787×10^{-4}	Lbs./cubic inch
POUNDS/CUBIC INCH	27.68	Grams/cubic cm.
Pounds/cubic inch	2.768×10^{4}	Kgs/cubic meter
Pounds/cubic inch	1728	Lbs./cubic foot
POUNDS/FOOT	1.488	Kgs./meter
Pounds/inch	178.6	Grams/cm.
POUNDS/SQ. FOOT	0.01602	Feet of water
Pounds/sq. foot	4.883×10^{-4}	Kgs./sq. cm.
Pounds/sq. foot	6.945×10^{-3}	Pounds/sq. inch
POUNDS/SQ. INCH	0.06804	Atmospheres
Pounds/sq. inch	2.307	Feet of water
Pounds/sq. inch	2.036	Inches of mercury
Pounds/sq. inch	0.07031	Kgs./sq. cm.
QUARTS (DRY)	67.20	Cubic inches
QUARTS (LIQ.)	57.75	Cubic inches
$\frac{1}{\text{SQ.FT./GAL./MIN.}}$	8.0208	Overflow rate (ft./hr.)

TABLE 28

Conversion Factors (Continued)

Multiply	By	To Obtain
TEMP. (°C.) 273	1	Abs. temp. (°C.)
Temp. (°C.) 17.78	1.8	Temp. (°F.)
Temp. (°F.) 460	1	Abs. temp. (°F.)
Temp. (°F.)-32	5/9	Temp. (°C.)
TONS (LONG)	1016	Kilograms
Tons (long)	2240	Pounds
Tons (long)	1.12000	Tons (short)
TONS (METRIC)	10^3	Kilograms
Tons (metric)	[illegible]	Pounds
TONS (SHORT)	2000	Pounds
Tons (short)	32000	Ounces
Tons (short)	907.18486	Kilograms
Tons (short)	2430. 6	Pounds (troy)
Tons (short)	0.89 87	Tons (long)
Tons (short)	29166.66	Ounces (troy)
Tons (short)	0.90718	Tons (metric)
TONS OF WATER/24 HRS.	83.333	Pounds water/hour
Tons of water/24 hrs.	0.16643	Gallons/min.
Tons of water/24 hrs.	1.3349	Cu. ft./hr.
VOLTS (ABS.)	1×10^8	Abvolts
Volts/°C	1.0000	Joules/coulomb/°C
Volts (Abs)	0.00333[illegible]	Statvolts
Volts (Abs)	0.999[illegible]	Volts (international)
WATTS	0.05692	B. T. Units/min.
Watts	[illegible]	Foot-pounds/min.
Watts	0.7376	Foot-pounds/sec.
Watts	1.3[illegible]1x10-[illegible]	Horse-power
Watts	0.01[illegible]	Kg.-calories/min.
Watts	10^{-3}	Kilowatts
WATT-HOURS	3.4[illegible]	British Thermal Units
Watt-hours	[illegible]	Foot-pounds
Watt-hours	1.341x10-3	Horse-power-hours
Watt-hours	0.86[illegible]	Kilogram-calories
Watt-hours	367.2	Kilogram-meters
Watt-hours	10^{-3}	Kilowatt-hours

TABLE 29 Miscellaneous Data

Exact relationships shown by asterisk (*)

Area

1 square inch	= 6.45162581 square centimeters
1 square foot	= 144 square inches*
	= 0.09290341 square meter
	= 0.00002298 acre
1 square yard	= 9 square feet*
	= 0.83613070 square meter
1 square (statute) mile	= 27,878,400 square feet*
	= 640 acres*
	= 2.58999847 square kilometers
1 square centimeter	= 0.15499969 square inch*
	= 0.00107639 square foot
1 square meter	= 10.76386736 square feet
	= 1.19598526 square yards
1 square kilometer	= 247.1043930 acres
	= 0.38610061 square statute mile
	= 0.29155335 square nautical mile

Earth

Acceleration due to gravity (standard)	= 980.665 centimeters per second per second
	= 32.1740 feet per second per second
Mass	= 5,980,000,000,000,000,000,000,000,000 grams
	= 6,600,000,000,000,000,000,000 short tons
	= 5,900,000,000,000,000,000,000 long tons
Mean density	= 5.517 grams per cubic centimeter
Velocity of escape	= 6.94 statute miles per second
Curvature of surface	= 0.8 foot per nautical mile

Clarke spheroid of 1866

Equatorial radius (a)	= 20,925,832.16 feet
	= 6,975,277.39 yards
	= 6,378,206.400 meters
	= 3,963.226 statute miles
	= 3,443.956 nautical miles
Polar radius (b)	= 20,854,892.02 feet
	= 6,951,630.67 yards
	= 6,356,583.800 meters
	= 3,949.790 statute miles
	= 3,432.281 nautical miles
Mean radius $\left(\frac{2a+b}{3}\right)$	= 20,902,185.45 feet
	= 6,967,395.15 yards
	= 6,370,998.867 meters
	= 3,958.747 statute miles
	= 3,440.064 nautical miles
1′ of equator	= 6,087.078 feet
	= 2,029.026 yards
	= 1,855.345 meters
	= 1.153 statute miles
	= 1.002 nautical miles
1′ of latitude at equator	= 6,045.877 feet
	= 2,015.292 yards
	= 1,842.787 meters
	= 1.145 statute miles
	= 0.995 nautical mile
1′ of latitude at pole	= 6,107.783 feet
	= 2,035.928 yards
	= 1,861.656 meters
	= 1.157 statute miles
	= 1.005 nautical miles
Flattening or ellipticity $\left(f = \frac{a-b}{a}\right)$	$= \frac{1}{294.98}$
	= 0.00339006034
Eccentricity $\left(e = \sqrt{2f - f^2}\right)$	= 0.08227185422
Eccentricity squared (e^2)	= 0.00676865800

TABLE 29 Miscellaneous Data (Continued)

Earth Continued

Clarke spheroid of 1880

Equatorial radius (a)	= 20,925,972.40 feet
	= 6,975,324.13 yards
	= 6,378,249.145 meters
	= 3,963.252 statute miles
	= 3,443.979 nautical miles
Polar radius (b)	= 20,854,665.87 feet
	= 6,951,555.29 yards
	= 6,356,514.869 meters
	= 3,949.747 statute miles
	= 3,432.243 nautical miles
Mean radius $\left(\frac{2a+b}{3}\right)$	= 20,902,203.55 feet
	= 6,967,401.18 yards
	= 6,371,004.386 meters
	= 3,958.751 statute miles
	= 3,440.067 nautical miles
1′ of equator	= 6,087.117 feet
	= 2,029.039 yards
	= 1,855.357 meters
	= 1.153 statute miles
	= 1.002 nautical miles
1′ of latitude at equator	= 6,045.706 feet
	= 2,015.235 yards
	= 1,842.735 meters
	= 1.145 statute miles
	= 0.995 nautical mile
1′ of latitude at pole	= 6,107.931 feet
	= 2,035.977 yards
	= 1,861.701 meters
	= 1.157 statute miles
	= 1.005 nautical miles
Flattening or ellipticity $\left(f=\frac{a-b}{a}\right)$	$=\frac{1}{293.465}$
	= 0.00340756138
Eccentricity ($e=\sqrt{2f-f^2}$)	= 0.08248340004
Eccentricity squared (e^2)	= 0.00680351128

International spheroid

Equatorial radius (a)	= 20,926,427.96 feet
	= 6,975,475.99 yards
	= 6,378,388.000 meters
	= 3,963.339 statute miles
	= 3,444.054 nautical miles
Polar radius (b)	= 20,855,968.61 feet
	= 6,951,989.54 yards
	= 6,356,911.946 meters
	= 3,949.994 statute miles
	= 3,432.458 nautical miles
Mean radius $\left(\frac{2a+b}{3}\right)$	= 20,902,941.51 feet
	= 6,967,647.17 yards
	= 6,371,229.315 meters
	= 3,958.890 statute miles
	= 3,440.189 nautical miles
1′ of equator	= 6,087.252 feet
	= 2,029.084 yards
	= 1,855.398 meters
	= 1.153 statute miles
	= 1.002 nautical miles
1′ of latitude at equator	= 6,046.330 feet
	= 2,015.443 yards
	= 1,842.925 meters
	= 1.145 statute miles
	= 0.995 nautical mile

Earth—Continued

International spheroid—Continued

1′ of latitude at pole	= 6,107 816 feet
	= 2,035.939 yards
	= 1,861.666 meters
	= 1 157 statute miles
	= 1.006 nautical miles
Flattening or ellipticity $\left(f=\frac{a-b}{a}\right)$	$=\frac{1}{297}$
	= 0.00336700337
Eccentricity $(e=\sqrt{2f-f^2})$	= 0.08199188998
Eccentricity squared (e^2)	= 0.00672267002

Length

1 inch	= 25.4000508 millimeters
	= 2.54000508 centimeters
1 foot (U. S.)	= 12 inches *
	= 1.00000373 British feet
	= ⅓ yard *
	= 0.30480061 meter
	= ⅙ fathom *
1 yard	= 36 inches *
	= 3 feet *
	= 0.91440183 meter
1 fathom	= 6 feet *
	= 2 yards *
	= 1.82880366 meters
1 cable	= 720 feet *
	= 240 yards *
	= 219.45643891 meters
1 statute mile	= 5,280 feet *
	= 1,760 yards *
	= 1,609.34721869 meters
	= 1.60934722 kilometers
	= 0.86897798 nautical mile
1 nautical mile	= 6,076.10333333 feet
	= 2,025.36777777 yards
	= 1,852 meters *
	= 1.852 kilometers *
	= 1.15077715 statute miles
1 meter	= 100 centimeters *
	= 39.37 inches *
	= 3.28083333 feet
	= 1.09361111 yards
	= 0.54680556 fathom
	= 0.00062137 statute mile
	= 0.00053996 nautical mile
1 kilometer	= 3,280.83333333 feet
	= 1,093.61111111 yards
	= 1,000 meters *
	= 0.62136995 statute mile
	= 0.53995680 nautical mile

Mass

1 ounce	= 437.5 grains *
	= 28.34952673 grams
	= 0.0625 pound *
	= 0.02834953 kilogram
1 pound	= 7,000 grains *
	= 16 ounces *
	= 0.45359243 kilogram
1 short ton	= 2,000 pounds *
	= 907.1848554 kilograms
	= 0.90718486 metric ton
	= 0.89285714 long ton

TABLE 29.—Miscellaneous Data—Continued

Mass—Continued

1 long ton	= 2,240 pounds*
	= 1,016.047038 kilograms
	= 1.12 short tons*
	= 1.01604704 metric tons
1 kilogram	= 2.20462234 pounds
	= 0.00110231 short ton
	= 0.00098421 long ton
1 metric ton	= 2,204.622341 pounds
	= 1,000 kilograms*
	= 1.10231117 short tons
	= 0.98420640 long ton

Mathematics

π	= 3.14159265358979323846264338327950288841971
π^2	= 9.8696044011
$\sqrt{\pi}$	= 1.7724538509
Base of Naperian logarithms (e)	= 2.718281828459
Modulus of common logarithms ($\log_{10}e$)	= 0.4342944819032518
1 radian	= 206,264".80625
	= 3,437'.7467707849
	= 57°.2957795131
	= 57°17'44".80625
1 circle	= 1,296,000"*
	= 21,600'*
	= 360°*
	= 2π radians*
180°	= π radians*
1°	= 3600"*
	= 60'*
	= 0.01745329251994329576606 radian
1'	= 60"*
	= 0.000290888208665721596 radian
1"	= 0.000004848136811095359933 radian
Sine of 1'	= 0.000290888204563424 60
Sine of 1"	= 0.0000048481368110 7637

Meteorology

Atmosphere (dry air)	
Nitrogen	= 78.09% } 100%
Oxygen	= 20.95% } 100%
Argon	= 0.93% } 100%
Carbon dioxide	= 0.03% } 100%
Neon	= 0.0018%
Helium	= 0.000524%
Krypton	= 0.0001%
Hydrogen	= 0.00005%
Xenon	= 0.000008%
Ozone	= 0.000001% (increasing with altitude)
Radon	= 0.0000000000000000006% (decreasing with altitude)
Standard atmospheric pressure at sea level	= 1,013,250 dynes per square centimeter*
	= 1,033.227 grams per square centimeter
	= 1,033.227 centimeters of water
	= 1,013.250 millibars*
	= 760 millimeters of mercury*
	= 76 centimeters of mercury*
	= 33.8985 feet of water
	= 29.9212 inches of mercury
	= 14.6960 pounds per square inch
	= 1.033227 kilograms per square centimeter
	= 1.013250 bars*
Absolute zero	= (−) 273°.16 C
	= (−) 459°.69 F

Table 29.—Miscellaneous Data—Continued

Pressure

1 dyne per square centimeter	=0.001 millibar*
	=0.000001 bar*
1 gram per square centimeter	=1 centimeter of water
	=0.980665 millibar*
	=0.07355596 centimeter of mercury
	=0.0289590 inch of mercury
	=0.0142234 pound per square inch
	=0.001 kilogram per square centimeter*
	=0.000967841 atmosphere
1 millibar	=1,000 dynes per square centimeter*
	=1.0197162 grams per square centimeter
	=0.75006158 millimeter of mercury
	=0.03345519 foot of water
	=0.02952993 inch of mercury
	=0.01450383 pound per square inch
	=0.001 bar*
	=0.00098692 atmosphere
1 millimeter of mercury	=1.35951 grams per square centimeter*
	=1.333223874 millibars
	=0.1 centimeter of mercury*
	=0.0446033257 foot of water
	=0.03937 inch of mercury*
	=0.019336852 pound per square inch
	=0.001315790 atmosphere
1 centimeter of mercury	=10 millimeters of mercury*
1 inch of mercury	=34.53160301 grams per square centimeter
	=33.86394931 millibars
	=25.40005080 millimeters of mercury
	=1.13292434 feet of water
	=0.49115675 pound per square inch
	=0.03342112 atmosphere
1 centimeter of water	=1 gram per square centimeter*
	=0.001 kilogram per square centimeter*
1 foot of water	=30.48006096 grams per square centimeter
	=29.89072898 millibars
	=2.24199003 centimeters of mercury
	=0.88267147 inch of mercury
	=0.43353005 pound per square inch
	=0.02949987 atmosphere
1 pound per square inch	=68,947.3361 dynes per square centimeter
	=70.3066857 grams per square centimeter
	=70.3066857 centimeters of water
	=68.9473361 millibars
	=51.71475495 millimeters of mercury
	=5.171475495 centimeters of mercury
	=2.30664518 feet of water
	=2.03600990 inches of mercury
	=0.07030369 kilogram per square centimeter
	=0.06894734 bar
	=0.06804573 atmosphere
1 kilogram per square centimeter	=1,000 grams per square centimeter*
	=1,000 centimeters of water*
1 bar	=1,000,000 dynes per square centimeter*
	=1,000 millibars*

Speed

1 foot per minute	=0.01666667 foot per second
	=0.00508001 meter per second

TABLE 29.—Miscellaneous Data—Continued

Speed—Continued

1 yard per minute	= 3 feet per minute*
	= 0.05 foot per second*
	= 0.03409091 statute mile per hour
	= 0.02962425 knot
	= 0.01524003 meter per second
1 foot per second	= 60 feet per minute*
	= 20 yards per minute*
	= 1.09728220 kilometers per hour
	= 0.68181818 statute mile per hour
	= 0.59248499 knot
	= 0.30480061 meter per second
1 statute mile per hour	= 88 feet per minute*
	= 29.33333333 yards per minute
	= 1.60934722 kilometers per hour
	= 1.46666667 feet per second
	= 0.86897798 knot
	= 0.44704090 meter per second
1 knot	= 101.26838879 feet per minute
	= 33.75612960 yards per minute
	= 1.852 kilometers per hour*
	= 1.68780648 feet per second
	= 1.15077715 statute miles per hour
	= 0.51444444 meter per second
1 kilometer per hour	= 0.62136995 statute mile per hour
	= 0.53995680 knot
1 meter per second	= 196.85 feet per minute*
	= 65.61666667 yards per minute
	= 3.6 kilometers per hour*
	= 3.28083333 feet per second
	= 2.23693182 statute miles per hour
	= 1.94384449 knots
Light in vacuo	= 299,792 kilometers per second
	= 186,282 statute miles per second
	= 161,875 nautical miles per second
	= 983.567 feet per microsecond
Light in air	= 299,708 kilometers per second
	= 186,230 statute miles per second
	= 161,829 nautical miles per second
	= 983.292 feet per microsecond
Sound in dry air at 60° F and standard sea level pressure	= 1,117.00 feet per second
	= 761.59 statute miles per hour
	= 661.81 knots
	= 340.46 meters per second
Sound in 3.485 percent salt water at 60° F	= 4,945.37 feet per second
	= 3,371.84 statute miles per hour
	= 2,930.06 knots
	= 1,507.35 meters per second

Volume

1 cubic inch	= 16.38716233 cubic centimeters
	= 0.01638670 liter
	= 0.00432900 gallon
1 cubic foot	= 1,728 cubic inches*
	= 28.31622363 liters
	= 7.48051948 U. S. gallons
	= 6.22882273 imperial (British) gallons
	= 0.02831702 cubic meter

TABLE 29. Miscellaneous Data—Continued

Volume—Continued

1 cubic yard	= 46,656 cubic inches*
	= 764.53803813 liters
	= 201.97402597 U. S. gallons
	= 168.17821354 imperial (British) gallons
	= 27 cubic feet*
	= 0.76455945 cubic meter
1 cubic centimeter	= 0.06102338 cubic inch
	= 0.00026417 U. S. gallon
	= 0.00021997 imperial (British) gallon
1 cubic meter	= 264.17046733 U. S. gallons
	= 219.96747874 imperial (British) gallons
	= 35.31445483 cubic feet
	= 1.30794276 cubic yards
1 quart (U. S.)	= 57.75 cubic inches*
	= 32 fluid ounces*
	= 2 pints*
	= 0.94633213 liter
	= 0.25 gallon*
1 gallon (U. S.)	= 3,785.43449592 cubic centimeters
	= 231 cubic inches*
	= 0.13368056 cubic foot
	= 4 quarts*
	= 3.78532851 liters
	= 0.83267248 imperial (British) gallon
1 liter	= 1,000.028 cubic centimeters
	= 61.02508662 cubic inches
	= 1.05671146 quarts
	= 0.26417786 gallon
1 register ton	= 100 cubic feet*
	= 2.83170165 cubic meters
1 measurement ton	= 40 cubic feet*
	= 1 freight ton*
1 freight ton	= 40 cubic feet*
	= 1 measurement ton*

Volume-mass

1 cubic foot of sea water	= 64 pounds
1 cubic foot of fresh water	= 62.428 pounds at temperature of maximum density (4° C = 39°2 F)
1 cubic foot of ice	= 56 pounds
1 displacement ton	= 35 cubic feet of sea water*
	= 1 long ton

TABLE 30.—Comparison of Units for Underwater Sound Measurements

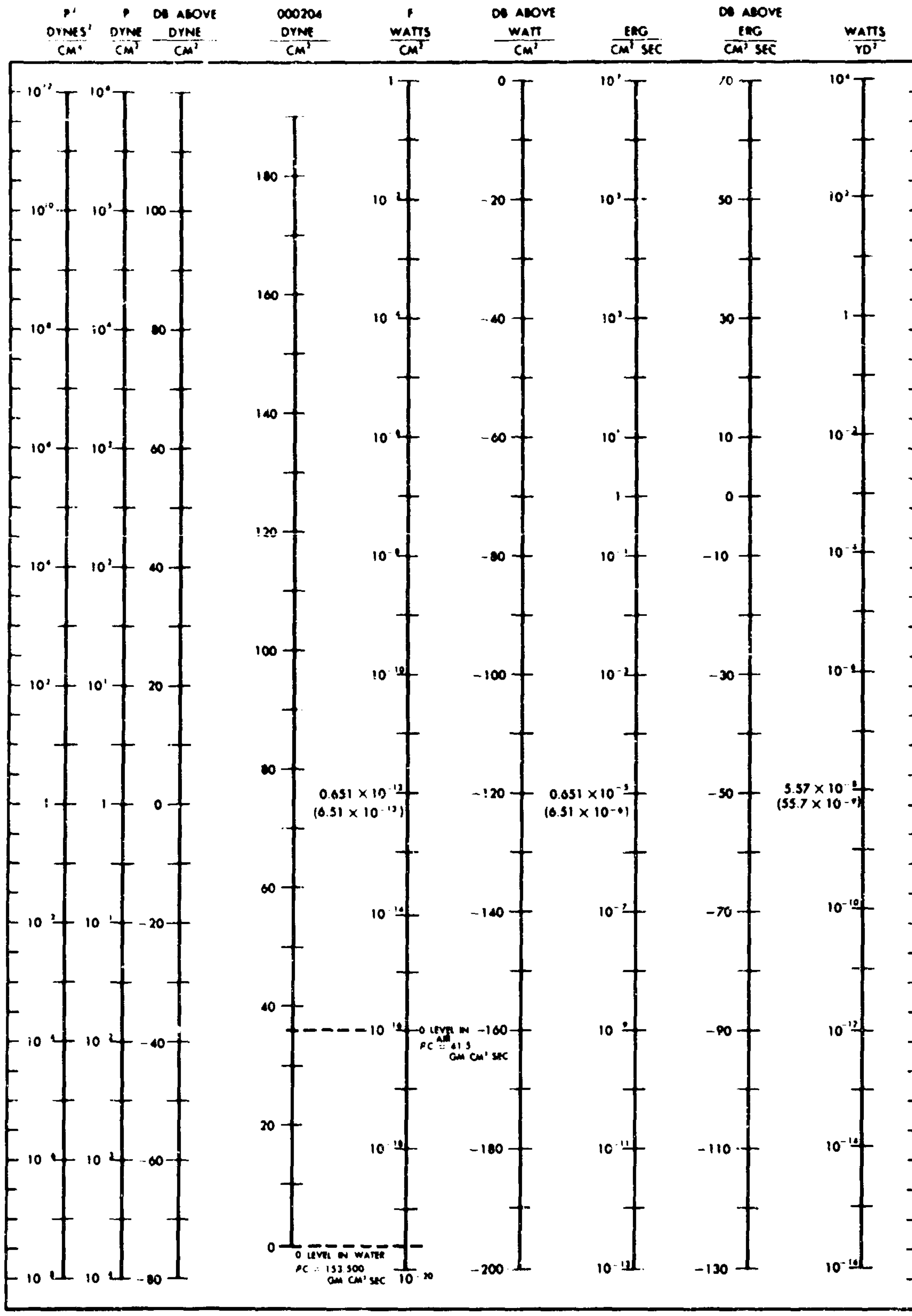

TABLE 31.—Distance Conversions—Nautical Miles to Kilometers—Kilometers to Nautical Miles

Nautical Miles to Kilometers

1 nautical mile=1.8532 kilometers

Example:
Given, distance 34 nautical miles.
From table distance=63.0 kilometers.

Kilometers to Nautical Miles

1 kilometer=0.53959 nautical mile

Example:
Given, distance 105 kilometers.
From table distance=56.7 nautical miles

--DISTANCE CONVERSION—NAUTICAL MILES TO KILOMETERS

Nautical miles	0	1	2	3	4	5	6	7	8	9
0--------------	0.0	1.8	3.7	5.6	7.4	9.3	11.1	13.0	14.8	16.7
10--------------	18.5	20.4	22.2	24.1	25.9	27.8	29.7	31.5	33.4	35.2
20--------------	37.1	38.9	40.8	42.6	44.5	46.3	48.2	50.0	51.9	53.7
30--------------	55.6	57.5	59.3	61.2	63.0	64.9	66.7	68.6	70.4	72.3
40--------------	74.1	76.0	77.8	79.7	81.5	83.4	85.2	87.1	89.0	90.8
50--------------	92.7	94.5	96.4	98.2	100.1	101.9	103.8	105.6	107.5	109.3
60--------------	111.2	113.0	114.9	116.8	118.6	120.5	122.3	124.2	126.0	127.9
70--------------	129.7	131.6	133.4	135.3	137.1	139.0	140.8	142.7	144.6	146.4
80--------------	148.3	150.1	152.0	153.8	155.7	157.5	159.4	161.2	163.1	164.9
90--------------	166.8	168.6	170.5	172.4	174.2	176.1	177.9	179.8	181.6	183.5

(LaFond, 1951)

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TABLE 31.—Distance Conversions—Kilometers to Nautical Miles—Continued

Kilometers	0	1	2	3	4	5	6	7	8	9
0	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.8	4.3	4.9
10	5.4	5.9	6.5	7.0	7.6	8.1	8.6	9.2	9.7	10.3
20	10.8	11.3	11.9	12.4	13.0	13.5	14.0	14.6	15.1	15.6
30	16.2	16.7	17.3	17.8	18.3	18.9	19.4	20.0	20.5	21.0
40	21.6	22.1	22.7	23.2	23.7	24.3	24.8	25.4	25.9	26.4
50	27.0	27.5	28.1	28.6	29.1	29.7	30.2	30.8	31.3	31.8
60	32.4	32.9	33.5	34.0	34.5	35.1	35.6	36.2	36.7	37.2
70	37.8	38.3	38.9	39.4	39.9	40.5	41.0	41.5	42.1	42.6
80	43.2	43.7	44.2	44.8	45.3	45.9	46.4	46.9	47.5	48.0
90	48.6	49.1	49.6	50.2	50.7	51.3	51.8	52.3	52.9	53.4
100	54.0	54.5	55.0	55.6	56.1	56.7	57.2	57.7	58.3	58.8
110	59.4	59.9	60.4	61.0	61.5	62.1	62.6	63.1	63.7	64.2
120	64.8	65.3	65.8	66.4	66.9	67.4	68.0	68.5	69.1	69.6
130	70.1	70.7	71.2	71.8	72.3	72.8	73.4	73.9	74.5	75.0
140	75.5	76.1	76.6	77.2	77.7	78.2	78.8	79.3	79.9	80.4
150	80.9	81.5	82.0	82.6	83.1	83.6	84.2	84.7	85.3	85.8
160	86.3	86.9	87.4	88.0	88.5	89.0	89.6	90.1	90.7	91.2
170	91.7	92.3	92.8	93.3	93.9	94.4	95.0	95.5	96.0	96.6
180	97.1	97.7	98.2	98.7	99.3	99.8	100.4	100.9	101.4	102.0
190	102.5	103.1	103.6	104.1	104.7	105.2	105.8	106.3	106.8	107.4
200	107.9	108.5	109.0	109.5	110.1	110.6	111.2	111.7	112.2	112.8

TABLE 32.—Conversion of Chlorosity to Salinity

Conversion of 20° C chlorosity, $Cl/l_{(w)}$, to salinity, $S‰$, from the expression
$S‰ = 0.03 + [1.8050 \times Cl/l_{(w)} \times 1/\rho_{(w)}]$
where $\rho_{(w)}$ is the density of sea water at chlorosity $Cl/l_{(w)}$.

$Cl/l_{(w)}$	$S‰$	$Cl/l_{(w)}$	$S‰$	$Cl/l_{(w)}$	$S‰$	$Cl/l_{(w)}$	$S‰$
2.00	3.64	2.50	4.54	3.00	5.43	3.50	6.33
.01	.66	.51	.55	.01	.45	.51	.34
.02	.68	.52	.57	.02	.47	.52	.36
.03	.69	.53	.59	.03	.48	.53	.38
.04	.71	.54	.61	.04	.50	.54	.40
.05	.73	.55	.63	.05	.52	.55	.42
.06	.75	.56	.64	.06	.54	.56	.43
.07	.77	.57	.66	.07	.56	.57	.45
.08	.78	.58	.68	.08	.57	.58	.47
.09	.80	.59	.70	.09	.59	.59	.49
2.10	3.82	2.60	4.71	3.10	5.61	3.60	6.50
.11	.84	.61	.73	.11	.63	.61	.52
.12	.86	.62	.75	.12	.65	.62	.54
.13	.87	.63	.77	.13	.66	.63	.56
.14	.89	.64	.79	.14	.68	.64	.58
.15	.91	.65	.80	.15	.70	.65	.59
.16	.93	.66	.82	.16	.72	.66	.61
.17	.95	.67	.84	.17	.74	.67	.63
.18	.96	.68	.86	.18	.75	.68	.65
.19	3.98	.69	.88	.19	.77	.69	.67
2.20	4.00	2.70	4.89	3.20	5.79	3.70	6.68
.21	.02	.71	.91	.21	.81	.71	.70
.22	.03	.72	.93	.22	.82	.72	.72
.23	.05	.73	.95	.23	.84	.73	.74
.24	.07	.74	.97	.24	.86	.74	.76
.25	.09	.75	4.98	.25	.88	.75	.77
.26	.11	.76	5.00	.26	.90	.76	.79
.27	.12	.77	.02	.27	.91	.77	.81
.28	.14	.78	.04	.28	.93	.78	.83
.29	.16	.79	.06	.29	.95	.79	.84
2.30	4.18	2.80	5.07	3.30	5.97	3.80	6.86
.31	.20	.81	.09	.31	5.99	.81	.88
.32	.21	.82	.11	.32	6.00	.82	.90
.33	.23	.83	.13	.33	.02	.83	.92
.34	.25	.84	.14	.34	.04	.84	.93
.35	.27	.85	.16	.35	.06	.85	.95
.36	.29	.86	.18	.36	.08	.86	.97
.37	.30	.87	.20	.37	.09	.87	6.98
.38	.32	.88	.22	.38	.11	.88	7.01
.39	.34	.89	.24	.39	.13	.89	.02
2.40	4.36	2.90	5.25	3.40	6.15	3.90	7.04
.41	.37	.91	.27	.41	.16	.91	.06
.42	.39	.92	.29	.42	.18	.92	.08
.43	.41	.93	.31	.43	.20	.93	.10
.44	.43	.94	.32	.44	.22	.94	.11
.45	.45	.95	.34	.45	.24	.95	.13
.46	.46	.96	.36	.46	.25	.96	.15
.47	.48	.97	.38	.47	.27	.97	.17
.48	.50	.98	.40	.48	.29	.98	.18
.49	.52	.99	.41	.49	.31	.99	.20

TABLE 32.—Conversion of Chlorosity to Salinity—Continued

Cl/l(20)	S‰	Cl/l(20)	S‰	Cl/l(20)	S‰	Cl/l(20)	S‰
4.00	7.22	4.50	8.11	5.00	9.01	5.50	9.90
.01	.24	.51	.13	.01	.02	.51	.91
.02	.26	.52	.15	.02	.04	.52	.93
.03	.27	.53	.17	.03	.06	.53	.95
.04	.29	.54	.18	.04	.08	.54	.97
.05	.31	.55	.20	.05	.10	.55	.99
.06	.33	.56	.22	.06	.11	.56	10.00
.07	.35	.57	.24	.07	.13	.57	.02
.08	.36	.58	.26	.08	.15	.58	.04
.09	.38	.59	.27	.09	.17	.59	.06
4.10	7.40	4.60	8.29	5.10	9.18	5.60	10.07
.11	.42	.61	.31	.11	.20	.61	.09
.12	.43	.62	.33	.12	.22	.62	.11
.13	.45	.63	.35	.13	.24	.63	.13
.14	.47	.64	.36	.14	.26	.64	.15
.15	.49	.65	.38	.15	.27	.65	.16
.16	.51	.66	.40	.16	.29	.66	.18
.17	.52	.67	.42	.17	.31	.67	.20
.18	.54	.68	.44	.18	.33	.68	.22
.19	.56	.69	.45	.19	.34	.69	.24
4.20	7.58	4.70	8.47	5.20	9.36	5.70	10.25
.21	.60	.71	.49	.21	.38	.71	.27
.22	.61	.72	.51	.22	.40	.72	.29
.23	.63	.73	.52	.23	.42	.73	.31
.24	.65	.74	.54	.24	.43	.74	.32
.25	.67	.75	.56	.25	.45	.75	.34
.26	.68	.76	.58	.26	.47	.76	.36
.27	.70	.77	.60	.27	.49	.77	.38
.28	.72	.78	.61	.28	.50	.78	.40
.29	.74	.79	.63	.29	.52	.79	.41
4.30	7.76	4.80	8.65	5.30	9.54	5.80	10.43
.31	.77	.81	.67	.31	.56	.81	.45
.32	.79	.82	.69	.32	.58	.82	.47
.33	.81	.83	.70	.33	.59	.83	.48
.34	.83	.84	.72	.34	.61	.84	.50
.35	.85	.85	.74	.35	.63	.85	.52
.36	.86	.86	.76	.36	.65	.86	.54
.37	.88	.87	.77	.37	.67	.87	.56
.38	.90	.88	.79	.38	.68	.88	.57
.39	.92	.89	.81	.39	.70	.89	.59
4.40	7.93	4.90	8.83	5.40	9.72	5.90	10.61
.41	.95	.91	.85	.41	.74	.91	.63
.42	.97	.92	.86	.42	.75	.92	.64
.43	7.99	.93	.88	.43	.77	.93	.66
.44	8.01	.94	.90	.44	.79	.94	.68
.45	.02	.95	.92	.45	.81	.95	.70
.46	.04	.96	.94	.46	.83	.96	.72
.47	.06	.97	.95	.47	.84	.97	.73
.48	.08	.98	.97	.48	.86	.98	.75
.49	.10	.99	.99	.49	.88	.99	.77

TABLE 32.—Conversion of Chlorosity to Salinity—Continued

$Cl/l_{(20)}$	S‰	$Cl/l_{(20)}$	S‰	$Cl/l_{(20)}$	S‰	$Cl/l_{(20)}$	S‰
6.00	10.79	6.50	11.68	7.00	12.56	7.50	13.45
.01	.81	.51	.69	.01	.58	.51	.47
.02	.82	.52	.71	.02	.60	.52	.49
.03	.84	.53	.73	.03	.62	.53	.50
.04	.86	.54	.75	.04	.63	.54	.52
.05	.88	.55	.76	.05	.65	.55	.54
.06	.89	.56	.78	.06	.67	.56	.56
.07	.91	.57	.80	.07	.69	.57	.57
.08	.93	.58	.82	.08	.71	.58	.59
.09	.95	.59	.84	.09	.72	.59	.61
6.10	10.97	6.60	11.85	7.10	12.74	7.60	13.63
.11	10.98	.61	.87	.11	.76	.61	.65
.12	11.00	.62	.89	.12	.78	.62	.66
.13	.02	.63	.91	.13	.79	.63	.68
.14	.04	.64	.92	.14	.81	.64	.70
.15	.05	.65	.94	.15	.83	.65	.72
.16	.07	.66	.96	.16	.85	.66	.73
.17	.09	.67	11.98	.17	.86	.67	.75
.18	.11	.68	12.00	.18	.88	.68	.77
.19	.12	.69	.01	.19	.90	.69	.79
6.20	11.14	6.70	12.03	7.20	12.92	7.70	13.80
.21	.16	.71	.03	.21	.94	.71	.82
.22	.18	.72	.07	.22	.95	.72	.84
.23	.20	.73	.08	.23	.97	.73	.86
.24	.21	.74	.10	.24	12.99	.74	.88
.25	.23	.75	.12	.25	13.01	.75	.89
.26	.25	.76	.14	.26	.02	.76	.91
.27	.27	.77	.16	.27	.04	.77	.93
.28	.28	.78	.17	.28	.06	.78	.95
.29	.30	.79	.19	.29	.08	.79	.96
6.30	11.32	6.80	12.21	7.30	13.10	7.80	13.98
.31	.34	.81	.23	.31	.11	.81	14.00
.32	.36	.82	.24	.32	.13	.82	.02
.33	.37	.83	.26	.33	.15	.83	.03
.34	.39	.84	.28	.34	.17	.84	.05
.35	.41	.85	.30	.35	.18	.85	.07
.36	.43	.86	.31	.36	.20	.86	.09
.37	.44	.87	.33	.37	.22	.87	.11
.38	.46	.88	.35	.38	.24	.88	.12
.39	.48	.89	.37	.39	.25	.89	.14
6.40	11.50	6.90	12.39	7.40	13.27	7.90	14.16
.41	.52	.91	.40	.41	.29	.91	.18
.42	.53	.92	.42	.42	.31	.92	.19
.43	.55	.93	.44	.43	.33	.93	.21
.44	.57	.94	.46	.44	.34	.94	.23
.45	.59	.95	.47	.45	.36	.95	.25
.46	.60	.96	.49	.46	.38	.96	.27
.47	.62	.97	.51	.47	.40	.97	.28
.48	.64	.98	.53	.48	.41	.98	.30
.49	.66	.99	.55	.49	.43	.99	.32

TABLE 32.—Conversion of Chlorosity to Salinity—Continued

Cl ‰	S ‰	Cl ‰	S ‰	Cl ‰	S ‰	Cl ‰	S ‰
8.00	14.34	8.50	15.22	9.00	16.10	9.50	16.98
.01	.35	.51	.24	.01	.12	.51	17.00
.02	.37	.52	.25	.02	.14	.52	.02
.03	.39	.53	.27	.03	.16	.53	.03
.04	.41	.54	.29	.04	.17	.54	.05
.05	.42	.55	.31	.05	.19	.55	.07
.06	.44	.56	.33	.06	.21	.56	.09
.07	.46	.57	.34	.07	.23	.57	.11
.08	.48	.58	.36	.08	.24	.58	.12
.09	.50	.59	.38	.09	.26	.59	.14
8.10	14.51	8.60	15.40	9.10	16.28	9.60	17.16
.11	.53	.61	.41	.11	.30	.61	.18
.12	.55	.62	.43	.12	.31	.62	.19
.13	.57	.63	.45	.13	.33	.63	.21
.14	.58	.64	.47	.14	.35	.64	.23
.15	.60	.65	.48	.15	.37	.65	.25
.16	.62	.66	.50	.16	.38	.66	.26
.17	.64	.67	.52	.17	.40	.67	.28
.18	.65	.68	.54	.18	.42	.68	.30
.19	.67	.69	.56	.19	.44	.69	.32
8.20	14.69	8.70	15.57	9.20	16.45	9.70	17.33
.21	.71	.71	.59	.21	.47	.71	.35
.22	.72	.72	.61	.22	.49	.72	.37
.23	.74	.73	.63	.23	.51	.73	.39
.24	.76	.74	.64	.24	.53	.74	.40
.25	.78	.75	.66	.25	.54	.75	.42
.26	.80	.76	.68	.26	.56	.76	.44
.27	.81	.77	.70	.27	.58	.77	.46
.28	.83	.78	.71	.28	.60	.78	.47
.29	.85	.79	.73	.29	.61	.79	.49
8.30	14.87	8.80	15.75	9.30	16.63	9.80	17.51
.31	.88	.81	.77	.31	.65	.81	.53
.32	.90	.82	.79	.32	.67	.82	.54
.33	.92	.83	.80	.33	.68	.83	.56
.34	.94	.84	.82	.34	.70	.84	.58
.35	.95	.85	.84	.35	.72	.85	.60
.36	.97	.86	.86	.36	.74	.86	.62
.37	14.99	.87	.87	.37	.75	.87	.63
.38	15.0[illegible]	.88	.89	.38	.77	.88	.65
.39	.03	.89	.91	.39	.79	.89	.67
8.40	15.04	8.90	15.93	9.40	16.81	9.90	17.69
.41	.06	.91	.94	.41	.82	.91	.70
.42	.08	.92	.96	.42	.84	.92	.72
.43	.10	.93	15.98	.43	.86	.93	.74
.44	.11	.94	16.00	.44	.88	.94	.76
.45	.13	.95	.01	.45	.89	.95	.77
.46	.15	.96	.03	.46	.91	.96	.79
.47	.17	.97	.05	.47	.93	.97	.81
.48	.18	.98	.07	.48	.95	.98	.83
.49	.20	.99	.09	.49	.96	.99	.85

TABLE 32.—Conversion of Chlorosity to Salinity—Continued

Cl/l(20)	S‰	Cl/l(20)	S‰	Cl/l(20)	S‰	Cl/l(20)	S‰
10.00	17.87	10.50	18.74	11.00	19.62	11.50	20.50
.01	.88	.51	.76	.01	.64	.51	.52
.02	.90	.52	.78	.02	.66	.52	.54
.03	.92	.53	.80	.03	.68	.53	.55
.04	.94	.54	.81	.04	.69	.54	.57
.05	.95	.55	.83	.05	.71	.55	.59
.06	.97	.56	.85	.06	.73	.56	.61
.07	17.99	.77	.87	.07	.75	.57	.62
.08	18.01	.58	.88	.08	.76	.58	.64
.09	.02	.59	.90	.09	.78	.59	.66
10.10	18.04	10.60	18.92	11.10	19.80	11.60	20.68
.11	.06	.61	.94	.11	.82	.61	.69
.12	.08	.62	.96	.12	.83	.62	.71
.13	.09	.63	.97	.13	.85	.63	.73
.14	.11	.64	18.99	.14	.87	.64	.75
.15	.13	.65	19.01	.15	.89	.65	.76
.16	.15	.66	.03	.16	.90	.66	.78
.17	.16	.67	.04	.17	.92	.67	.80
.18	.18	.68	.06	.18	.94	.68	.82
.19	.20	.69	.08	.19	.96	.69	.83
10.20	18.22	10.70	19.10	11.20	19.97	11.70	20.85
.21	.23	.71	.11	.21	19.99	.71	.87
.22	.25	.72	.13	.22	20.01	.72	.89
.23	.27	.73	.15	.23	.03	.73	.90
.24	.29	.74	.17	.24	.04	.74	.92
.25	.30	.75	.18	.25	.06	.75	.94
.26	.32	.76	.20	.26	.08	.76	.96
.27	.34	.77	.22	.27	.10	.77	.97
.28	.36	.78	.24	.28	.11	.78	20.99
.29	.38	.79	.25	.29	.13	.79	21.01
10.30	18.39	10.80	19.27	11.30	20.15	11.80	21.03
.31	.41	.81	.29	.31	.17	.81	04
.32	.43	.82	.31	.32	.18	.82	.06
.33	.45	.83	.32	.33	.20	.83	.08
.34	.46	.84	.34	.34	.22	.84	.10
.35	.48	.85	.36	.35	.24	.85	.11
.36	.50	.86	.38	.36	.26	.86	.13
.37	.52	.87	.39	.37	.27	.87	.15
.38	.53	.88	.41	.38	.29	.88	.17
.39	.55	.89	.43	.39	.31	.89	.18
10.40	18.57	10.90	19.45	11.40	20.33	11.90	21.20
.41	.59	.91	.47	.41	.34	.91	.22
.42	.60	.92	.48	.42	.36	.92	.24
.43	.62	.93	.50	.43	.38	.93	.26
.44	.64	.94	.52	.44	.40	.94	.27
.45	.66	.95	.54	.45	.41	.95	.29
.46	.67	.96	.55	.46	.43	.96	.31
.47	.69	.97	.57	.47	.45	.97	.33
.48	.71	.98	.59	.48	.47	.98	.34
.49	.73	.99	.61	.49	.48	.99	.36

TABLE 32.—Conversion of Chlorosity to Salinity—Continued

Cl/l(20°)	S‰	Cl/l(20°)	S‰	Cl/l(20°)	S‰	Cl/l(20°)	S‰
12.00	21.38	12.50	22.25	13.00	23.13	13.50	24.00
.01	.40	.51	.27	.01	.14	.51	.02
.02	.41	.52	.29	.02	.16	.52	.03
.03	.43	.53	.30	.03	.18	.53	.05
.04	.45	.54	.32	.04	.20	.54	.07
.05	.47	.55	.34	.05	.21	.55	.09
.06	.48	.56	.36	.06	.23	.56	.10
.07	.50	.57	.37	.07	.25	.57	.12
.08	.52	.58	.39	.08	.27	.58	.14
.09	.54	.59	.41	.09	.28	.59	.16
12.10	21.55	12.60	22.43	13.10	23.30	13.60	24.17
.11	.57	.61	.44	.11	.32	.61	.19
.12	.59	.62	.46	.12	.34	.62	.21
.13	.61	.63	.48	.13	.35	.63	.23
.14	.62	.64	.50	.14	.37	.64	24
.15	.64	.65	.51	.15	.39	.65	.26
.16	.66	.66	.53	.16	.41	.66	.28
.17	.68	.67	.55	.17	.42	.67	.30
.18	.69	.68	.57	18	.44	.68	.31
.19	.71	.69	.58	.19	.46	.69	.33
12.20	21.73	12.70	22.60	13.20	23.48	13.70	24.35
.21	.75	.71	.62	.21	.49	.71	.37
.22	.76	.72	.64	.22	.51	.72	.38
.23	.78	.73	.65	.23	.53	.73	.40
.24	.80	.74	.67	.24	.55	.74	.42
.25	.82	.75	.69	.25	.56	.75	.44
.26	.83	.76	.71	.26	.58	.76	.45
.27	.85	.77	.72	.27	.60	.77	.47
.28	.87	.78	.74	.28	.62	.78	.49
.29	.89	.79	.76	.29	.63	.79	.51
12.30	21.90	12.80	22.78	13.30	23.65	13.80	24.52
31	.92	.81	.79	.31	.67	.81	.54
.32	.94	.82	.81	.32	.69	.82	.56
.33	.96	.83	.83	.33	.70	.83	.58
.34	.97	.84	.85	.34	.72	.84	.59
.35	21.99	.85	.86	.35	.74	.85	.61
.36	22.01	.86	.88	.36	.76	.86	.63
.37	.03	.87	.90	.37	.77	.87	.65
.38	.04	.88	.92	.38	.79	.88	.66
.39	.06	.89	.93	.39	.81	.89	.68
12.40	22.08	12.90	22.95	13.40	23.83	13.90	24.70
.41	.09	.91	.97	.41	.84	.91	.72
.42	.11	.92	22.99	.42	.86	.92	.73
.43	.13	.93	23.00	.43	.88	.93	.75
.44	.15	.94	.02	.44	.89	.94	.77
.45	.16	.95	.04	.45	.91	.95	.79
.46	.18	.96	.06	.46	.93	.96	.80
.47	[illegible]	.97	.07	.47	.95	.97	.82
.48	[illegible]	.98	.09	.48	.96	.98	.84
.49	[illegible]	.99	.11	.49	.98	.99	.85

TABLE 32.—Conversion of Chlorosity to Salinity—Continued

Cl/l_{20}	S‰	Cl/l_{20}	S‰	Cl/l_{20}	S‰	Cl/l_{20}	S‰
14.00	24.87	14.50	25.74	15.00	26.61	15.50	27.48
.01	.89	.51	.76	.01	.63	.51	.50
.02	.91	.52	.78	.02	.65	.52	.51
.03	.92	.53	.79	.03	.66	.53	.53
.04	.94	.54	.81	.04	.68	.54	.55
.05	.96	.55	.83	.05	.70	.55	.57
.06	.98	.56	.85	.06	.72	.56	.58
.07	24.99	.57	.86	.07	.73	.57	.60
.08	25.01	.58	.88	.08	.75	.58	.62
.09	.03	.59	.90	.09	.77	.59	.64
14.10	25.05	14.60	25.92	15.10	26.79	15.60	27.65
.11	.06	.61	.93	.11	.80	.61	.67
.12	.08	.62	.95	.12	.82	.62	.69
.13	.10	.63	.97	.13	.84	.63	.71
.14	.12	.64	25.99	.14	.86	.64	.72
.15	.13	.65	26.00	.15	.87	.65	.74
.16	.15	.66	.02	.16	.89	.66	.76
.17	.17	.67	.04	.17	.91	.67	.77
.18	.19	.68	.06	.18	.92	.68	.79
.19	.20	.69	.07	.19	.94	.69	.81
14.20	25.22	14.70	26.09	15.20	26.96	15.70	27.83
.21	.24	.71	.11	.21	.98	.71	.84
.22	.26	.72	.13	.22	26.99	.72	.86
.23	.27	.73	.14	.23	27.01	.73	.88
.24	.29	.74	.16	.24	.03	.74	.90
.25	.31	.75	.18	.25	.05	.75	.91
.26	.32	.76	.19	.26	.06	.76	.93
.27	.34	.77	.21	.27	.08	.77	.95
.28	.36	.78	.23	.28	.10	.78	.97
.29	.38	.79	.25	.29	.12	.79	.98
14.30	25.39	14.80	26.26	15.30	27.13	15.80	28.00
.31	.41	.81	.28	.31	.15	.81	.02
.32	.43	.82	.30	.32	.17	.82	.03
.33	.45	.83	.32	.33	.18	.83	.05
.34	.46	.84	.33	.34	.20	.84	.07
.35	.48	.85	.35	.35	.22	.85	.09
.36	.50	.86	.37	.36	.24	.86	.10
.37	.52	.87	.39	.37	.25	.87	.12
.38	.53	.88	.40	.38	.27	.88	.14
.39	.55	.89	.42	.39	.29	.89	.16
14.40	25.57	14.90	26.44	15.40	27.31	15.90	28.17
.41	.59	.91	.46	.41	.32	.91	.19
.42	.60	.92	.47	.42	.34	.92	.21
.43	.62	.93	.49	.43	.36	.93	.23
.44	.64	.94	.51	.44	.38	.94	.24
.45	.66	.95	.53	.45	.39	.95	.26
.46	.67	.96	.54	.46	.41	.96	.28
.47	.69	.97	.56	.47	.43	.97	.29
.48	.71	.98	.58	.48	.44	.98	.31
.49	.72	.99	.59	.49	.46	.99	.33

TABLE 32. Conversion of Chlorosity to Salinity—Continued

$Cl/l_{(20)}$	$S‰$	$Cl/l_{(20)}$	$S‰$	$Cl/l_{(20)}$	$S‰$	$Cl/l_{(20)}$	$S‰$
16.00	28.35	16.50	29.21	17.00	30.08	17.50	30.94
.01	.36	.51	.23	.01	.09	.51	.96
.02	.38	.52	.25	.02	.11	.52	.98
.03	.40	.53	.26	.03	.13	.53	30.99
.04	.42	.54	.28	.04	.15	.54	31.01
.05	.43	.55	.30	.05	.16	.55	.03
.06	.45	.56	.32	.06	.18	.56	.04
.07	.47	.57	.33	.07	.20	.57	.06
.08	.49	.58	.35	.08	.22	.58	.08
.09	.50	.59	.37	.09	.23	.59	.10
16.10	28.52	16.60	29.39	17.10	30.25	17.60	31.11
.11	.54	.61	.40	.11	.27	.61	.13
.12	.55	.62	.42	.12	.28	.62	.15
.13	.57	.63	.44	.13	.30	.63	.17
.14	.59	.64	.45	.14	.32	.64	.18
.15	.61	.65	.47	.15	.34	.65	.20
.16	.62	.66	.49	.16	.35	.66	.22
.17	.64	.67	.51	.17	.37	.67	.23
.18	.66	.68	.52	.18	.39	.68	.25
.19	.68	.69	.54	.19	.41	.69	.27
16.20	28.69	16.70	29.56	17.20	30.42	17.70	31.29
.21	.71	.71	.58	.21	.44	.71	.30
.22	.73	.72	.59	.22	.46	.72	.32
.23	.75	.73	.61	.23	.47	.73	.34
.24	.76	.74	.63	.24	.49	.74	.36
.25	.78	.75	.65	.25	.51	.75	.37
.26	.80	.76	.66	.26	.53	.76	.39
.27	.82	.77	.68	.27	.54	.77	.41
.28	.83	.78	.70	.28	.56	.78	.42
.29	.85	.79	.71	.29	.58	.79	.44
16.30	28.87	16.80	29.73	17.30	30.60	17.80	31.46
.31	.88	.81	.75	.31	.61	.81	.48
.32	.90	.82	.77	.32	.63	.82	.49
.33	.92	.83	.78	.33	.65	.83	.51
.34	.94	.84	.80	.34	.66	.84	.53
.35	.95	.85	.82	.35	.68	.85	.55
.36	.97	.86	.84	.36	.70	.86	.56
.37	28.99	.87	.85	.37	.72	.87	.58
.38	29.00	.88	.87	.38	.73	.88	.60
.39	.02	.89	.89	.39	.75	.89	.61
16.40	29.04	16.90	29.90	17.40	30.77	17.90	31.63
.41	.06	.91	.92	.41	.79	.91	.65
.42	.07	.92	.94	.42	.80	.92	.67
.43	.09	.93	.96	.43	.82	.93	.68
.44	.11	.94	.97	.44	.84	.94	.70
.45	.13	.95	29.99	.45	.85	.95	.72
.46	.14	.96	30.01	.46	.87	.96	.74
.47	.16	.97	.03	.47	.89	.97	.75
.48	.18	.98	.04	.48	.91	.98	.77
.49	.20	.99	.06	.49	.92	.99	.79

TABLE 32.—Conversion of Chlorosity to Salinity—Continued

$Cl/l_{(20)}$	$S‰$	$Cl/l_{(20)}$	$S‰$	$Cl/l_{(20)}$	$S‰$	$Cl/l_{(20)}$	$S‰$
18.00	31.80	18.50	32.67	19.00	33.53	19.50	34.39
.01	.82	.51	.68	.01	.54	.51	.40
.02	.84	.52	.70	.02	.56	.52	.42
.03	.86	.53	.72	.03	.58	.53	.44
.04	.87	.54	.73	.04	.60	.54	.46
.05	.89	.55	.75	.05	.61	.55	.47
.06	.91	.56	.77	.06	.63	.56	.49
.07	.92	.57	.79	.07	.65	.57	.51
.08	.94	.58	.80	.08	.67	.58	.52
.09	.96	.59	.82	.09	.68	.59	.54
18.10	31.98	18.60	32.84	19.10	33.70	19.60	34.56
.11	31.99	.61	.86	.11	.72	.61	.58
.12	32.01	.62	.87	.12	.73	.62	.59
.13	.03	.63	.89	.13	.75	.63	.61
.14	.05	.64	.91	.14	.77	.64	.63
.15	.06	.65	.92	.15	.79	.65	.64
.16	.08	.66	.94	.16	.80	.66	.66
.17	.10	.67	.96	.17	.82	.67	.68
.18	.11	.68	.98	.18	.84	.68	.70
.19	.13	.69	32.99	.19	.85	.69	.71
18.20	32.15	18.70	33.01	19.20	33.87	19.70	34.73
.21	.17	.71	.03	.21	.89	.71	.75
.22	.18	.72	.05	.22	.91	.72	.77
.23	.20	.73	.06	.23	.92	.73	.78
.24	.22	.74	.08	.24	.94	.74	.80
.25	.23	.75	.10	.25	.96	.75	.82
.26	.25	.76	.11	.26	.97	.76	.83
.27	.27	.77	.13	.27	33.99	.77	.85
.28	.29	.78	.15	.28	34.01	.78	.87
.29	.30	.79	.17	.29	.03	.79	.89
18.30	32.32	18.80	33.18	19.30	34.04	19.80	34.90
.31	.34	.81	.20	.31	.06	.81	.92
.32	.36	.82	.22	.32	.08	.82	.94
.33	.37	.83	.23	.33	.09	.83	.95
.34	.39	.84	.25	.34	.11	.84	.97
.35	.41	.85	.27	.35	.13	.85	34.99
.36	.42	.86	.29	.36	.15	.86	35.01
.37	.44	.87	.30	.37	.16	.87	.02
.38	.46	.88	.32	.38	.18	.88	.04
.39	.48	.89	.34	.39	.20	.89	.06
18.40	32.49	18.90	33.36	19.40	34.22	19.90	35.07
.41	.51	.91	.37	.41	.23	.91	.09
.42	.53	.92	.39	.42	.25	.92	.11
.43	.55	.93	.41	.43	.27	.93	.13
.44	.56	.94	.42	.44	.28	.94	.14
.45	.58	.95	.44	.45	.30	.95	.16
.46	.60	.96	.46	.46	.32	.96	.18
.47	.61	.97	.48	.47	.34	.97	.19
.48	.63	.98	.49	.48	.35	.98	.21
.49	.65	.99	.51	.49	.37	.99	.23

TABLE 32. Conversion of Chlorosity to Salinity—Continued

Cl/l(20)	S‰	Cl/l(20)	S‰	Cl/l(20)	S‰	Cl/l(20)	S‰
20.00	35.25	20.50	36.11	21.00	36.96	21.50	37.82
.01	.27	.51	.12	.01	36.98	.51	.83
.02	.28	.52	.14	.02	37.00	.52	.85
.03	.30	.53	.16	.03	.01	.53	.87
.04	.32	.54	.18	.04	.03	.54	.89
.05	.34	.55	.19	.05	.05	.55	.90
.06	.35	.56	.21	.06	.06	.56	.92
.07	.37	.57	.23	.07	.08	.57	.94
.08	.39	.58	.24	.08	.10	.58	.95
.09	.40	.59	.26	.09	.12	.59	.97
20.10	35.42	20.60	36.28	21.10	37.13	21.60	37.99
.11	.44	.61	.30	.11	.15	.61	38.00
.12	.46	.62	.31	.12	.17	.62	.02
.13	.47	.63	.33	.13	.18	.63	.04
.14	.50	.64	.35	.14	.20	.64	.06
.15	.51	.65	.36	.15	.22	.65	.07
.16	.52	.66	.38	.16	.24	.66	.09
.17	.54	.67	.40	.17	.25	.67	.11
.18	.56	.68	.41	.18	.27	.68	.12
.19	.58	.69	.43	.19	.29	.69	.14
20.20	35.59	20.70	36.45	21.20	37.30	21.70	38.16
.21	.61	.71	.47	.21	.32	.71	.17
.22	.63	.72	.48	.22	.34	.72	.19
.23	.64	.73	.50	.23	.36	.73	.21
.24	.66	.74	.52	.24	.37	.74	.23
.25	.68	.75	.53	.25	.39	.75	.24
.26	.70	.76	.55	.26	.40	.76	.26
.27	.71	.77	.57	.27	.42	.77	.28
.28	.73	.78	.59	.28	.44	.78	.29
.29	.74	.79	.60	.29	.46	.79	.31
20.30	35.76	20.80	36.62	21.30	37.47	21.80	38.33
.31	.78	.81	.64	.31	.49	.81	.34
.32	.80	.82	.65	.32	.51	.82	.36
.33	.82	.83	.67	.33	.53	.83	.38
.34	.83	.84	.69	.34	.54	.84	.40
.35	.85	.85	.71	.35	.56	.85	.41
.36	.87	.86	.72	.36	.58	.86	.43
.37	.88	.87	.74	.37	.59	.87	.45
.38	.90	.88	.76	.38	.61	.88	.46
.39	.92	.89	.77	.39	.63	.89	.48
20.40	35.93	20.90	36.79	21.40	37.65	21.90	38.50
.41	.95	.91	.81	.41	.66	.91	.51
.42	.97	.92	.83	.42	.68	.92	.53
.43	35.99	.93	.84	.43	.70	.93	.55
.44	36.00	.94	.86	.44	.71	.94	.57
.45	.02	.95	.88	.45	.73	.95	.58
.46	.04	.96	.89	.46	.75	.96	.60
.47	.06	.97	.91	.47	.77	.97	.62
.48	.07	.98	.93	.48	.78	.98	.63
.49	.09	.99	.94	.49	.80	.99	.65
						22.00	38.67

(Strickland and Parsons, 1960)

TABLE 33.—Temperature Conversions—Centigrade to Fahrenheit—Fahrenheit to Centigrade

TABLE 33 A.—Centigrade to Fahrenheit

$y°C=5/9\ (x°F-32°)$

Example:
Given, temperature = 4.55° C.
From table 33 A, temperature = 40.19° F.

TABLE 33 B.—Fahrenheit to Centigrade

$x°F=9/5\ y°C+32°$

Example:
Given, temperature = 44.4° F.
From table 33 B, temperature = 6.89° C.

TABLE 33 A.— Temperature Conversions - Centigrade to Fahrenheit

°C.	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
−2	28.40	28.22	28.04	27.86	27.68	27.50	27.32	27.14	26.96	26.78
−1	30.20	30.02	29.84	29.66	29.48	29.30	29.12	28.94	28.76	28.58
−0	32.00	31.82	31.64	31.46	31.28	31.10	30.92	30.74	30.56	30.38
0	32.00	32.18	32.36	32.54	32.72	32.90	33.08	33.26	33.44	33.62
1	33.80	33.98	34.16	34.34	34.52	34.70	34.88	35.06	35.24	35.42
2	35.60	35.78	35.96	36.14	36.32	36.50	36.68	36.86	37.04	37.22
3	37.40	37.58	37.76	37.94	38.12	38.30	38.48	38.66	38.84	39.02
4	39.20	39.38	39.56	39.74	39.92	40.10	40.28	40.46	40.64	40.82
5	41.00	41.18	41.36	41.54	41.72	41.90	42.08	42.26	42.44	42.62
6	42.80	42.98	43.16	43.34	43.52	43.70	43.88	44.06	44.24	44.42
7	44.60	44.78	44.96	45.14	45.32	45.50	45.68	45.86	46.04	46.22
8	46.40	46.58	46.76	46.94	47.12	47.30	47.48	47.66	47.84	48.02
9	48.20	48.38	48.56	48.74	48.92	49.10	49.28	49.46	49.64	49.82
10	50.00	50.18	50.36	50.54	50.72	50.90	51.08	51.26	51.44	51.62
11	51.80	51.98	52.16	52.34	52.52	52.70	52.88	53.06	53.24	53.42
12	53.60	53.78	53.96	54.14	54.32	54.50	54.68	54.86	55.04	55.22
13	55.40	55.58	55.76	55.94	56.12	56.30	56.48	56.66	56.84	57.02
14	57.20	57.38	57.56	57.74	57.92	58.10	58.28	58.46	58.64	58.82
15	59.00	59.18	59.36	59.54	59.72	59.90	60.08	60.26	60.44	60.62
16	60.80	60.98	61.16	61.34	61.52	61.70	61.88	62.06	62.24	62.42
17	62.60	62.78	62.96	63.14	63.32	63.50	63.68	63.86	64.04	64.22
18	64.40	64.58	64.76	64.94	65.12	65.30	65.48	65.66	65.84	66.02
19	66.20	66.38	66.56	66.74	66.92	67.10	67.28	67.46	67.64	67.82
20	68.00	68.18	68.36	68.54	68.72	68.90	69.08	69.26	69.44	69.62
21	69.80	69.98	70.16	70.34	70.52	70.70	70.88	71.06	71.24	71.42
22	71.60	71.78	71.96	72.14	72.32	72.50	72.68	72.86	73.04	73.22
23	73.40	73.58	73.76	73.94	74.12	74.30	74.48	74.66	74.84	75.02
24	75.20	75.38	75.56	75.74	75.92	76.10	76.28	76.46	76.64	76.82
25	77.00	77.18	77.36	77.54	77.72	77.90	78.08	78.26	78.44	78.62
26	78.80	78.98	79.16	79.34	79.52	79.70	79.88	80.06	80.24	80.42
27	80.60	80.78	80.96	81.14	81.32	81.50	81.68	81.86	82.04	82.22
28	82.40	82.58	82.76	82.94	83.12	83.30	83.48	83.66	83.84	84.02
29	84.20	84.38	84.56	84.74	84.92	85.10	85.28	85.46	85.64	85.82
30	86.00	86.18	86.36	86.54	86.72	86.90	87.08	87.26	87.44	87.62
31	87.80	87.98	88.16	88.34	88.52	88.70	88.88	89.06	89.24	89.42
32	89.60	89.78	89.96	90.14	90.32	90.50	90.68	90.86	91.04	91.22
33	91.40	91.58	91.76	91.94	92.12	92.30	92.48	92.66	92.84	93.02
34	93.20	93.38	93.56	93.74	93.92	94.10	94.28	94.46	94.64	94.82
35	95.00	95.18	95.36	95.54	95.72	95.90	96.08	96.26	96.44	96.62
36	96.80	96.98	97.16	97.34	97.52	97.70	97.88	98.06	98.24	98.42
37	98.60	98.78	98.96	99.14	99.32	99.50	99.68	99.86	100.04	100.22
38	100.40	100.58	100.76	100.94	101.12	101.30	101.48	101.66	101.84	102.02
39	102.20	102.38	102.56	102.74	102.92	103.10	103.28	103.46	103.64	103.82
40	104.00	104.18	104.36	104.54	104.72	104.90	105.08	105.26	105.44	105.62
41	105.80	105.98	106.16	106.34	106.52	106.70	106.88	107.06	107.24	107.42
42	107.60	107.78	107.96	108.14	108.32	108.50	108.68	108.86	109.04	109.22
43	109.40	109.58	109.76	109.94	110.12	110.30	110.48	110.66	110.84	111.02
44	111.20	111.38	111.56	111.74	111.92	112.10	112.28	112.46	112.64	112.82
45	113.00	113.18	113.36	113.54	113.72	113.90	114.08	114.26	114.44	114.62
46	114.80	114.98	115.16	115.34	115.52	115.70	115.88	116.06	116.24	116.42
47	116.60	116.78	116.96	117.14	117.32	117.50	117.68	117.86	118.04	118.22
48	118.40	118.58	118.76	118.94	119.12	119.30	119.48	119.66	119.84	120.02
49	120.20	120.38	120.56	120.74	120.92	121.10	121.28	121.46	121.64	121.82

TABLE 33B.—Temperature Conversions—Fahrenheit to Centigrade

°F.	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
30	−1.11	−1.06	−1.00	−0.94	−0.89	−0.83	−0.78	−0.72	−0.67	−0.61
31	−.56	−.50	−.44	−.39	−.33	−.28	−.22	−.17	−.11	−.06
32	.00	.06	.11	.17	.22	.28	.33	.39	.44	.50
33	.56	.61	.67	.72	.78	.83	.89	.94	1.00	1.06
34	1.11	1.17	1.22	1.28	1.33	1.39	1.44	1.50	1.56	1.61
35	1.67	1.72	1.78	1.83	1.89	1.94	2.00	2.06	2.11	2.17
36	2.22	2.28	2.33	2.39	2.44	2.50	2.56	2.61	2.67	2.72
37	2.78	2.83	2.89	2.94	3.00	3.06	3.11	3.17	3.22	3.28
38	3.33	3.39	3.44	3.50	3.56	3.61	3.67	3.72	3.78	3.83
39	3.89	3.94	4.00	4.06	4.11	4.17	4.22	4.28	4.33	4.39
40	4.44	4.50	4.56	4.61	4.67	4.72	4.78	4.83	4.89	4.94
41	5.00	5.06	5.11	5.17	5.22	5.28	5.33	5.39	5.44	5.50
42	5.56	5.61	5.67	5.72	5.78	5.83	5.89	5.94	6.00	6.06
43	6.11	6.17	6.22	6.28	6.33	6.39	6.44	6.50	6.56	6.61
44	6.67	6.72	6.78	6.83	6.89	6.94	7.00	7.06	7.11	7.17
45	7.22	7.28	7.33	7.39	7.44	7.50	7.56	7.61	7.67	7.72
46	7.78	7.83	7.89	7.94	8.00	8.06	8.11	8.17	8.22	8.28
47	8.33	8.39	8.44	8.50	8.56	8.61	8.67	8.72	8.78	8.83
48	8.89	8.94	9.00	9.06	9.11	9.17	9.22	9.28	9.33	9.39
49	9.44	9.50	9.56	9.61	9.67	9.72	9.78	9.83	9.89	9.94
50	10.00	10.06	10.11	10.17	10.22	10.28	10.33	10.39	10.44	10.50
51	10.56	10.61	10.67	10.72	10.78	10.83	10.89	10.94	11.00	11.06
52	11.11	11.17	11.22	11.28	11.33	11.39	11.44	11.50	11.56	11.61
53	11.67	11.72	11.78	11.83	11.89	11.94	12.00	12.06	12.11	12.17
54	12.22	12.28	12.33	12.39	12.44	12.50	12.56	12.61	12.67	12.72
55	12.78	12.83	12.89	12.94	13.00	13.06	13.11	13.17	13.22	13.28
56	13.33	13.39	13.44	13.50	13.56	13.61	13.67	13.72	13.78	13.83
57	13.89	13.94	14.00	14.06	14.11	14.17	14.22	14.28	14.33	14.39
58	14.44	14.50	14.56	14.61	14.67	14.72	14.78	14.83	14.89	14.94
59	15.00	15.06	15.11	15.17	15.22	15.28	15.33	15.39	15.44	15.50
60	15.56	15.61	15.67	15.72	15.78	15.83	15.89	15.94	16.00	16.06
61	16.11	16.17	16.22	16.28	16.33	16.39	16.44	16.50	16.56	16.61
62	16.67	16.72	16.78	16.83	16.89	16.94	17.00	17.06	17.11	17.17
63	17.22	17.28	17.33	17.39	17.44	17.50	17.56	17.61	17.67	17.72
64	17.78	17.83	17.89	17.94	18.00	18.06	18.11	18.17	18.22	18.28
65	18.33	18.39	18.44	18.50	18.56	18.61	18.67	18.72	18.78	18.83
66	18.89	18.94	19.00	19.06	19.11	19.17	19.22	19.28	19.33	19.39
67	19.44	19.50	19.56	19.61	19.67	19.72	19.78	19.83	19.89	19.94
68	20.00	20.06	20.11	20.17	20.22	20.28	20.33	20.39	20.44	20.50
69	20.56	20.61	20.67	20.72	20.78	20.83	20.89	20.94	21.00	21.06
70	21.11	21.17	21.22	21.28	21.33	21.39	21.44	21.50	21.56	21.61
71	21.67	21.72	21.78	21.83	21.89	21.94	22.00	22.06	22.11	22.17
72	22.22	22.28	22.33	22.39	22.44	22.50	22.56	22.61	22.67	22.72
73	22.78	22.83	22.89	22.94	23.00	23.06	23.11	23.17	23.22	23.28
74	23.33	23.39	23.44	23.50	23.56	23.61	23.67	23.72	23.78	23.83
75	23.89	23.94	24.00	24.06	24.11	24.17	24.22	24.28	24.33	24.39
76	24.44	24.50	24.56	24.61	24.67	24.72	24.78	24.83	24.89	24.94
77	25.00	25.06	25.11	25.17	25.22	25.28	25.33	25.39	25.44	25.50
78	25.56	25.61	25.67	25.72	25.78	25.83	25.89	25.94	26.00	26.06
79	26.11	26.17	26.22	26.28	26.33	26.39	26.44	26.50	26.56	26.61
80	26.67	26.72	26.78	26.83	26.89	26.94	27.00	27.06	27.11	27.17
81	27.22	27.28	27.33	27.39	27.44	27.50	27.56	27.61	27.67	27.72
82	27.78	27.83	27.89	27.94	28.00	28.06	28.11	28.17	28.22	28.28
83	28.33	28.39	28.44	28.50	28.56	28.61	28.67	28.72	28.78	28.83
84	28.89	28.94	29.00	29.06	29.11	29.17	29.22	29.28	29.33	29.39

TABLE 33B.—Temperature Conversions—Fahrenheit to Centigrade—Continued

°F.	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
85	29.44	29.50	29.56	29.61	29.67	29.72	29.78	29.83	29.89	29.94
86	30.00	30.06	30.11	30.17	30.22	30.28	30.33	30.39	30.44	30.50
87	30.56	30.61	30.67	30.72	30.78	30.83	30.89	30.94	31.00	31.06
88	31.11	31.17	31.22	31.28	31.33	31.39	31.44	31.50	31.56	31.61
89	31.67	31.72	31.78	31.83	31.89	31.94	32.00	32.06	32.11	32.17
90	32.22	32.28	32.33	32.39	32.44	32.50	32.56	32.61	32.67	32.72
91	32.78	32.83	32.89	32.94	33.00	33.06	33.11	33.17	33.22	33.28
92	33.33	33.39	33.44	33.50	33.56	33.61	33.67	33.72	33.78	33.83
93	33.89	33.94	34.00	34.06	34.11	34.17	34.22	34.28	34.33	34.39
94	34.44	34.50	34.56	34.61	34.67	34.72	34.78	34.83	34.89	34.94
95	35.00	35.06	35.11	35.17	35.22	35.28	35.33	35.39	35.44	35.50
96	35.56	35.61	35.67	35.72	35.78	35.83	35.89	35.94	36.00	36.06
97	36.11	36.17	36.22	36.28	36.33	36.39	36.44	36.50	36.56	36.61
98	36.67	36.72	36.78	36.83	36.89	36.94	37.00	37.06	37.11	37.17
99	37.22	37.28	37.33	37.39	37.44	37.50	37.56	37.61	37.67	37.72
100	37.78	37.83	37.89	37.94	38.00	38.06	38.11	38.17	38.22	38.28
101	38.33	38.39	38.44	38.50	38.56	38.61	38.67	38.72	38.78	38.83
102	38.89	38.94	39.00	39.06	39.11	39.17	39.22	39.28	39.33	39.39
103	39.44	39.50	39.56	39.61	39.67	39.72	39.78	39.83	39.89	39.94
104	40.00	40.06	40.11	40.17	40.22	40.28	40.33	40.39	40.44	40.50
105	40.56	40.61	40.67	40.72	40.78	40.83	40.89	40.94	41.00	41.06
106	41.11	41.17	41.22	41.28	41.33	41.39	41.44	41.50	41.56	41.61
107	41.67	41.72	41.78	41.83	41.89	41.94	42.00	42.06	42.11	42.17
108	42.22	42.28	42.33	42.39	42.44	42.50	42.56	42.61	42.67	42.72
109	42.78	42.83	42.89	42.94	43.00	43.06	43.11	43.17	43.22	43.28
110	43.33	43.39	43.44	43.50	43.56	43.61	43.67	43.72	43.78	43.83
111	43.89	43.94	44.00	44.06	44.11	44.17	44.22	44.28	44.33	44.39
112	44.44	44.50	44.56	44.61	44.67	44.72	44.78	44.83	44.89	44.94
113	45.00	45.06	45.11	45.17	45.22	45.28	45.33	45.39	45.44	45.50
114	45.56	45.61	45.67	45.72	45.78	45.83	45.89	45.94	46.00	46.06
115	46.11	46.17	46.22	46.28	46.33	46.39	46.44	46.50	46.56	46.61
116	46.67	46.72	46.78	46.83	46.89	46.94	47.00	47.06	47.11	47.17
117	47.22	47.28	47.33	47.39	47.44	47.50	47.56	47.61	47.67	47.72
118	47.78	47.83	47.89	47.94	48.00	48.06	48.11	48.17	48.22	48.28
119	48.33	48.39	48.44	48.50	48.56	48.61	48.67	48.72	48.78	48.83
120	48.89	48.94	49.00	49.06	49.11	49.17	49.22	49.28	49.33	49.39
121	49.44	49.50	49.56	49.61	49.67	49.72	49.78	49.83	49.89	49.94
122	50.00	50.06	50.11	50.17	50.22	50.28	50.33	50.39	50.44	50.50
123	50.56	50.61	50.67	50.72	50.78	50.83	50.89	50.94	51.00	51.06
124	51.11	51.17	51.22	51.28	51.33	51.39	51.44	51.50	51.56	51.61
125	51.67	51.72	51.78	51.83	51.89	51.94	52.00	52.06	52.11	52.17
126	52.22	52.28	52.33	52.39	52.44	52.50	52.56	52.61	52.67	52.72
127	52.78	52.83	52.89	52.94	53.00	53.06	53.11	53.17	53.22	53.28
128	53.33	53.39	53.44	53.50	53.56	53.61	53.67	53.72	53.78	53.83
129	53.89	53.94	54.00	54.06	54.11	54.17	54.22	54.28	54.33	54.39

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